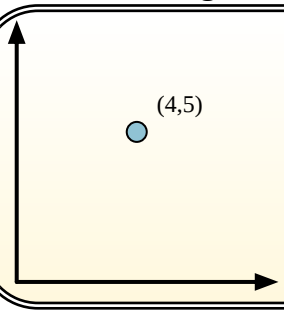
Finding Angle between Two Points

Name:

Calculate the angle of the circle relative to (0,0).



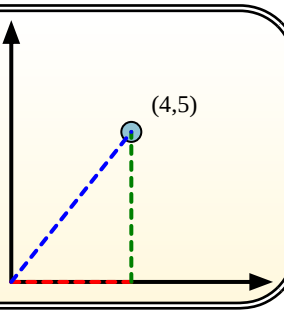
First find the slope.

$(y_2-y_1)\div(x_2-x_1) = m$

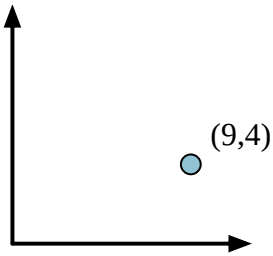
$(5-0)\div(4-0) =$ **1.25**

Then find the arc tangent (aka. inverse tangent) of the slope.

arctan(1.25) = **51.34°**



1)



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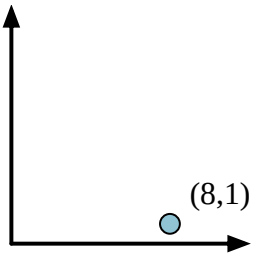

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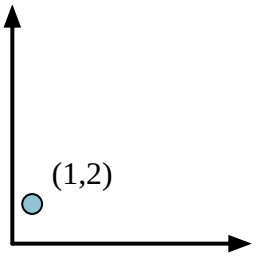

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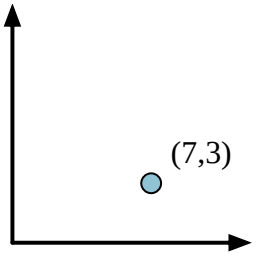

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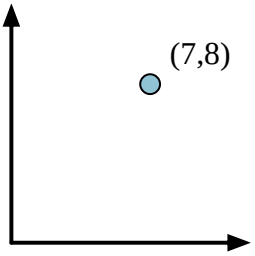

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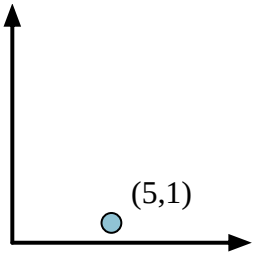

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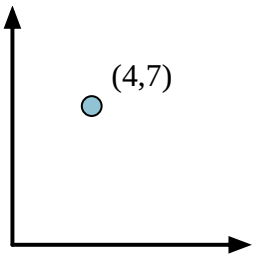

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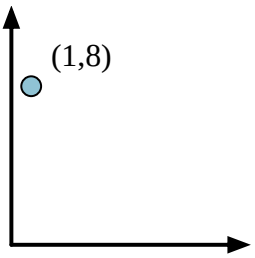

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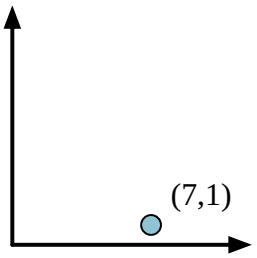

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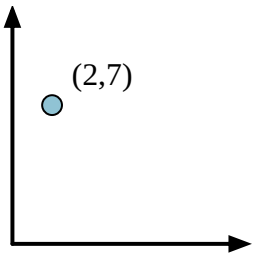

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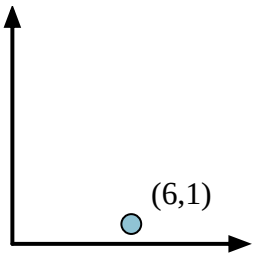

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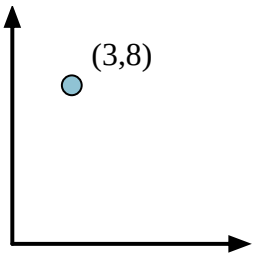


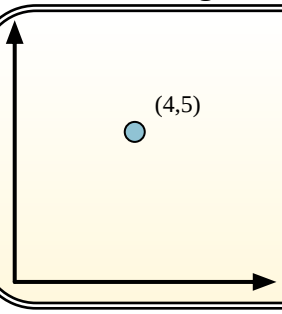
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Finding Angle between Two Points Name: **Answer Key**

Calculate the angle of the circle relative to (0,0).



First find the slope.

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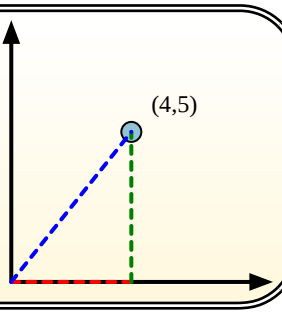

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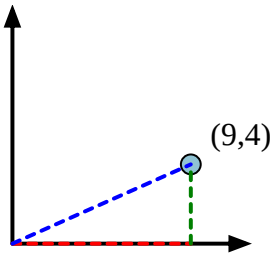

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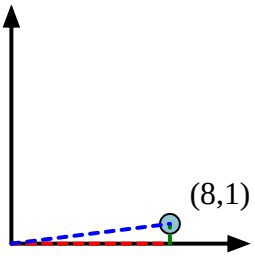

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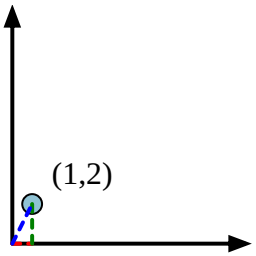

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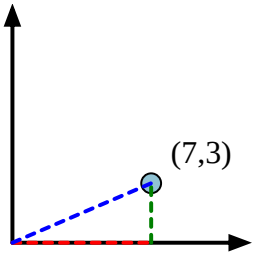

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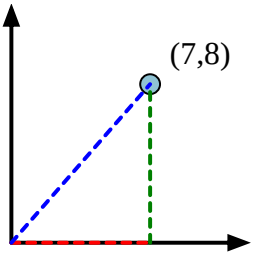

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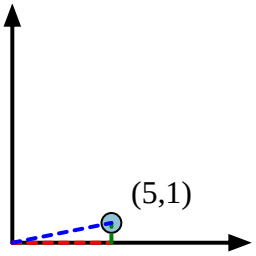

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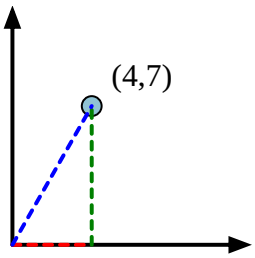

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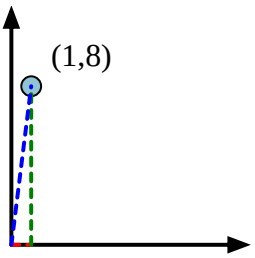

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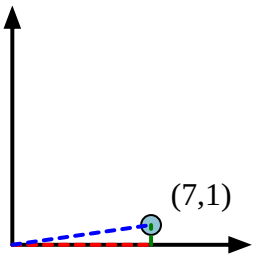

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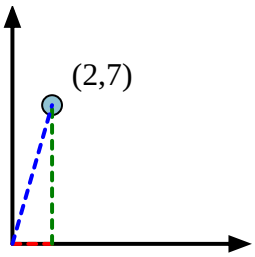

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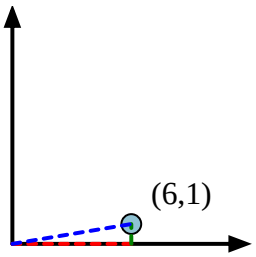

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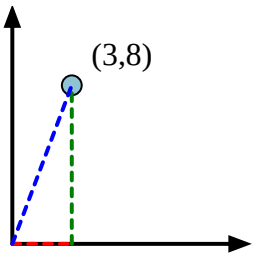

Answers

1. **23.96**
2. **7.13**
3. **63.43**
4. **23.20**
5. **48.81**
6. **11.31**
7. **60.26**
8. **82.87**
9. **8.13**
10. **74.05**
11. **9.46**
12. **69.44**

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Finding Angle between Two Points

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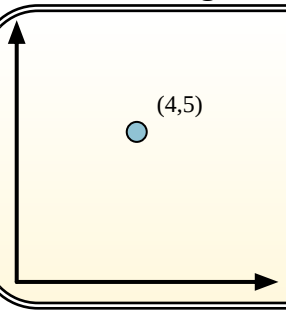

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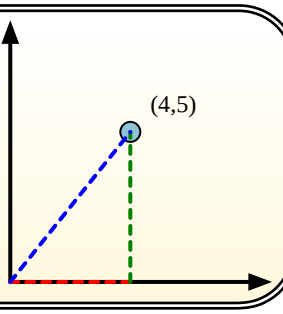

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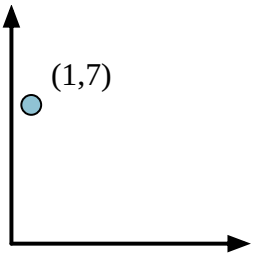

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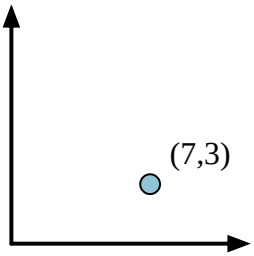

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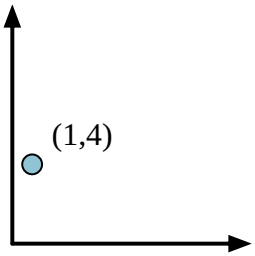

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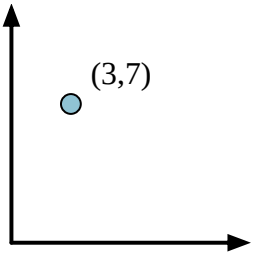

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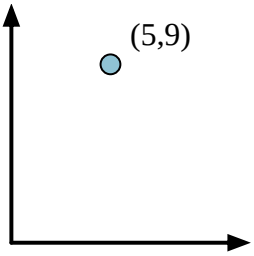

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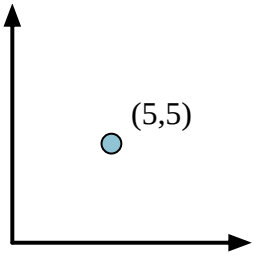

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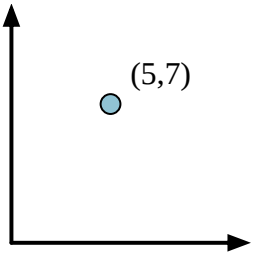

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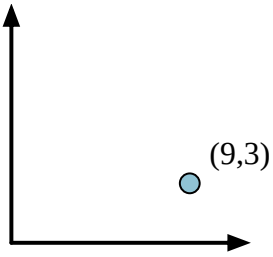

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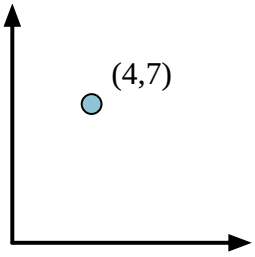

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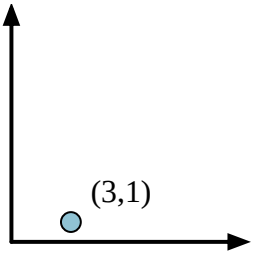

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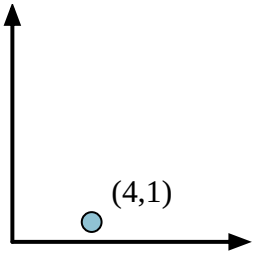

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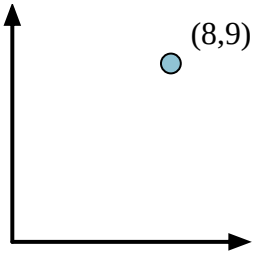

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
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1-10	92	83	75	67	58	50	42	33	25	17
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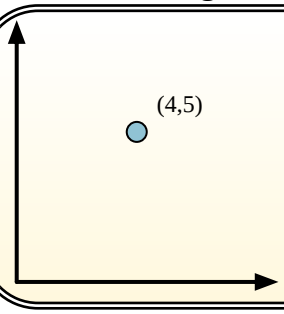

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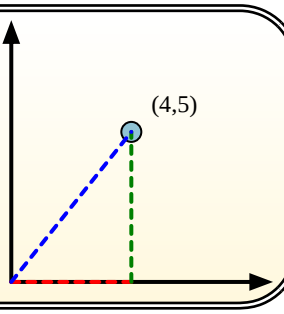

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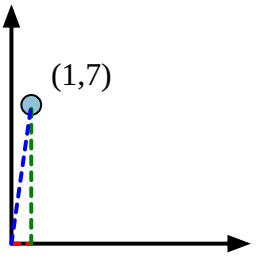

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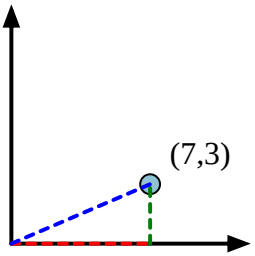

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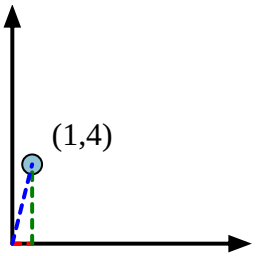

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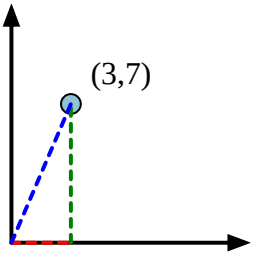

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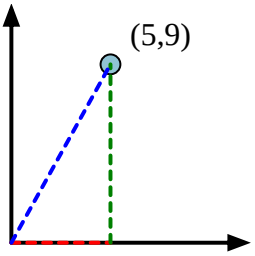

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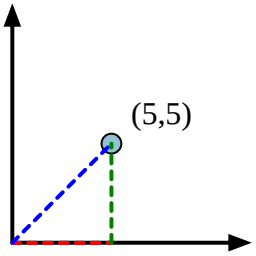

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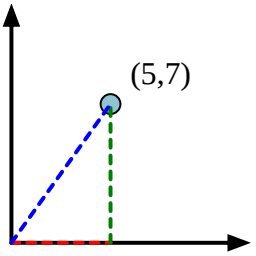

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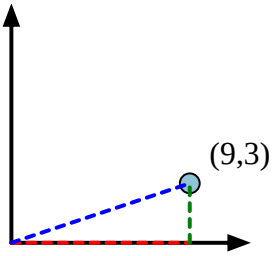

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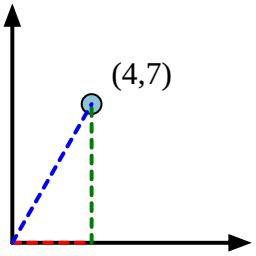

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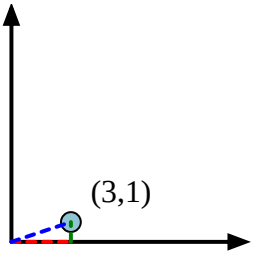

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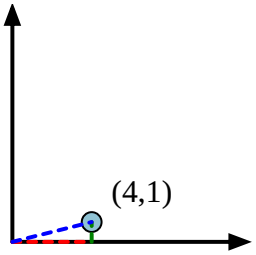

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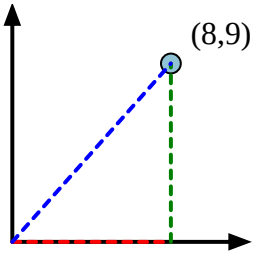


Answers

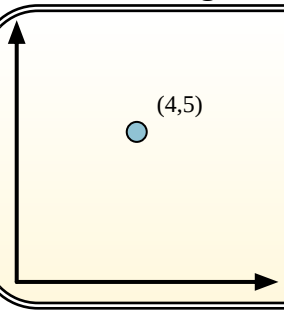
1. **81.87**
2. **23.20**
3. **75.96**
4. **66.80**
5. **60.95**
6. **45.00**
7. **54.46**
8. **18.43**
9. **60.26**
10. **18.43**
11. **14.04**
12. **48.37**

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Finding Angle between Two Points

Name:

Calculate the angle of the circle relative to (0,0).



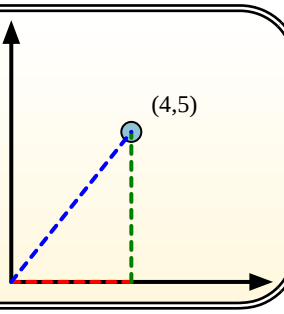
First find the slope.

$(y_2-y_1)\div(x_2-x_1) = m$

$(5-0)\div(4-0) =$ **1.25**

Then find the arc tangent (aka. inverse tangent) of the slope.

$\arctan(1.25) =$ **51.34°**



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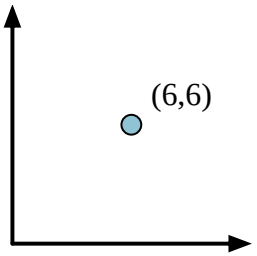

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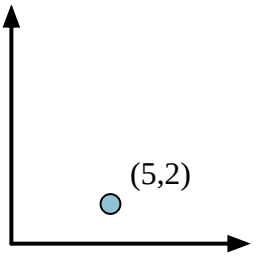

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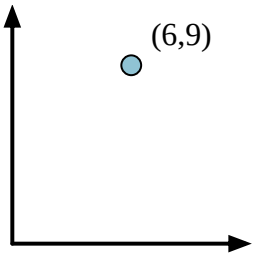

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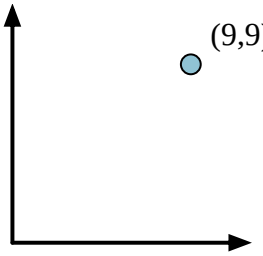

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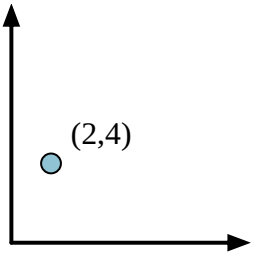

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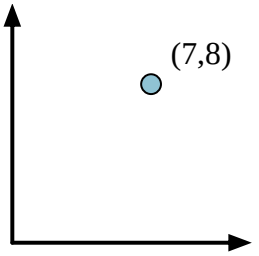

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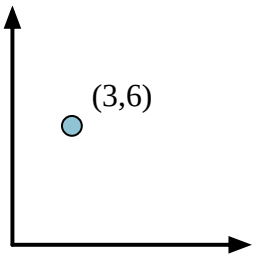

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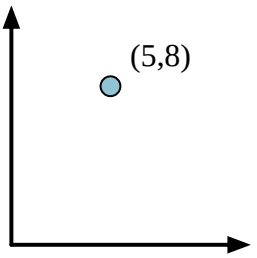

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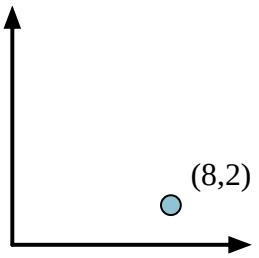

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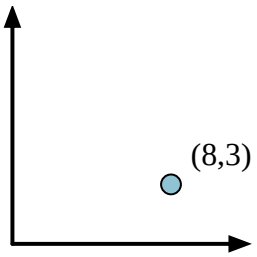

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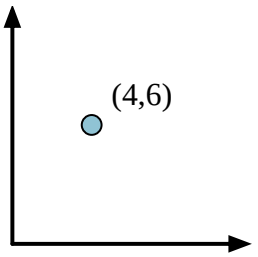

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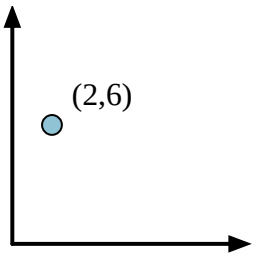


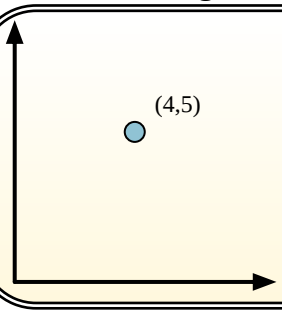
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Finding Angle between Two Points Name: **Answer Key**

Calculate the angle of the circle relative to (0,0).



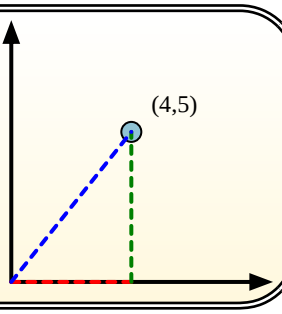
First find the slope.

$(y_2-y_1)\div(x_2-x_1) = m$

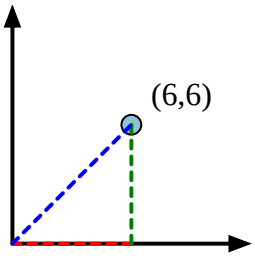
$(5-0)\div(4-0) =$ **1.25**

Then find the arc tangent (aka. inverse tangent) of the slope.

$\arctan(1.25) =$ **51.34°**



1)



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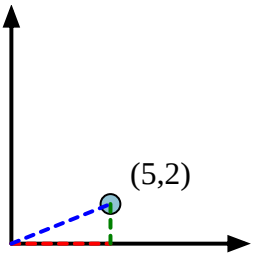

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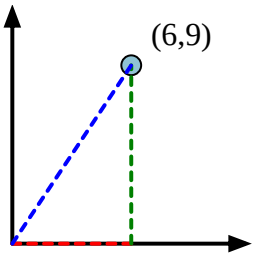

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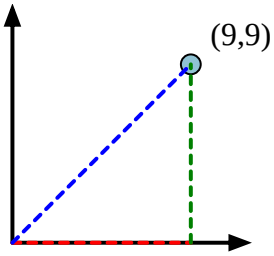

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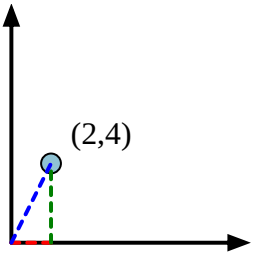

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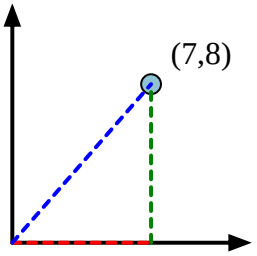

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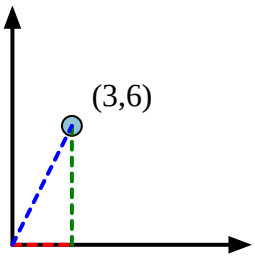

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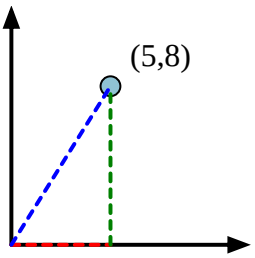

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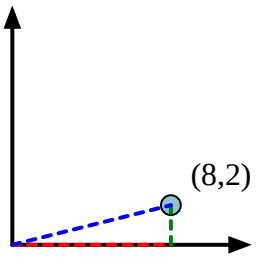

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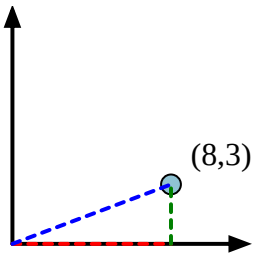

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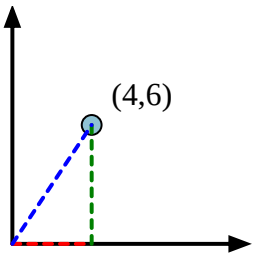

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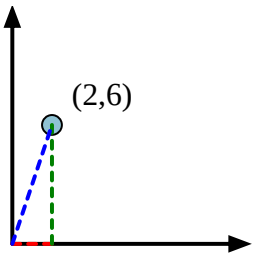


Answers

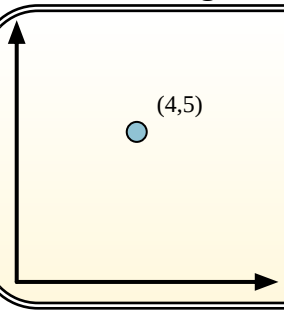
1. **45.00**
2. **21.80**
3. **56.31**
4. **45.00**
5. **63.43**
6. **48.81**
7. **63.43**
8. **57.99**
9. **14.04**
10. **20.56**
11. **56.31**
12. **71.57**

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Finding Angle between Two Points

Name:

Calculate the angle of the circle relative to (0,0).



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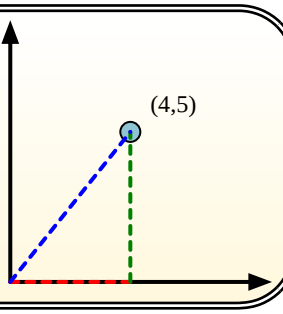
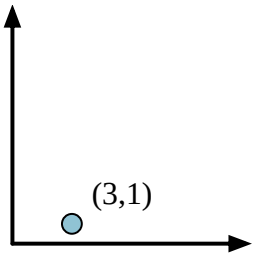


1)



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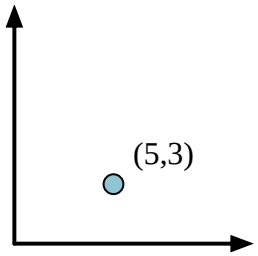

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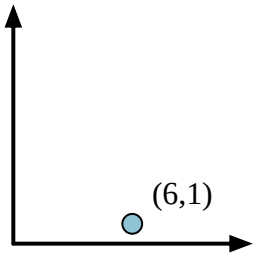

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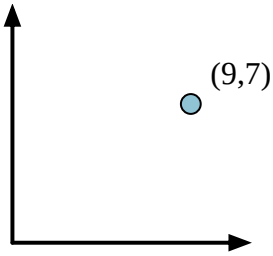
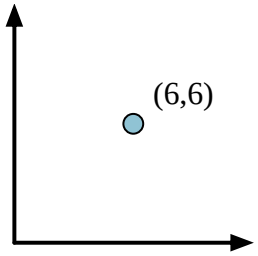


5)



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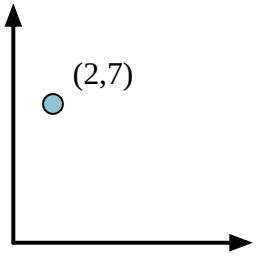

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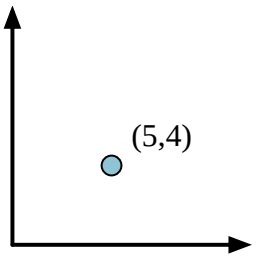

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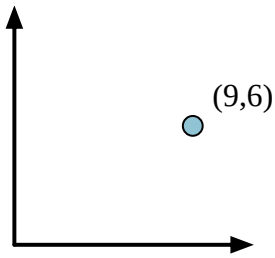

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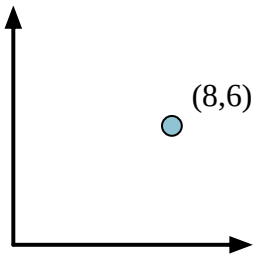

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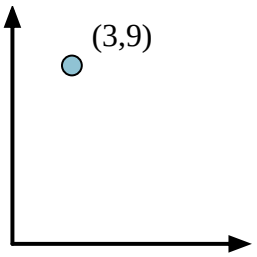
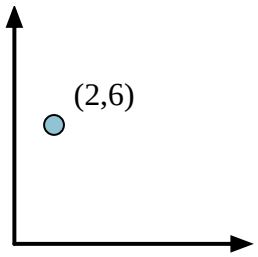


11)



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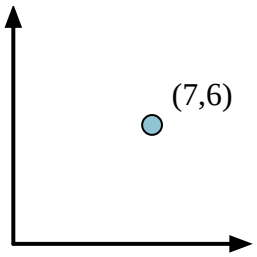

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

1-10	92	83	75	67	58	50	42	33	25	17
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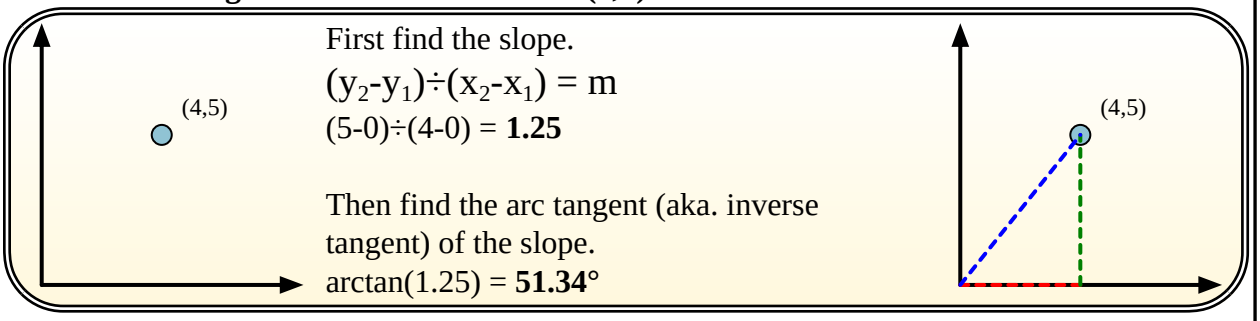
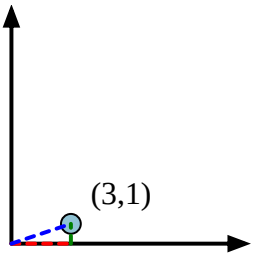
Finding Angle between Two Points Name: **Answer Key**

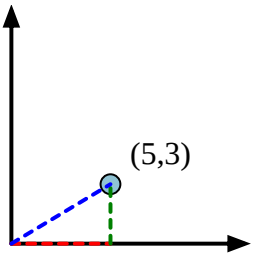
Calculate the angle of the circle relative to (0,0).



1)



2)



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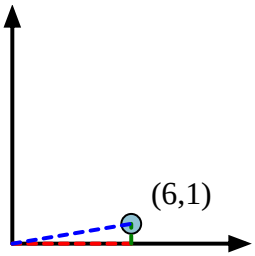

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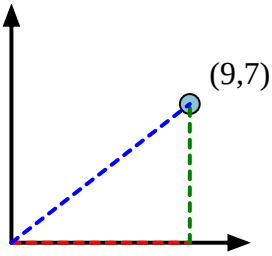

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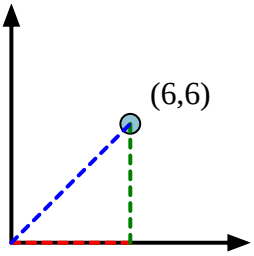

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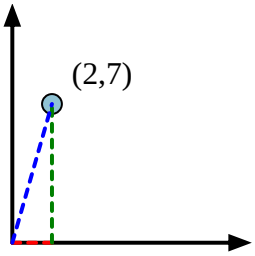

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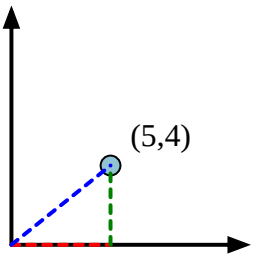

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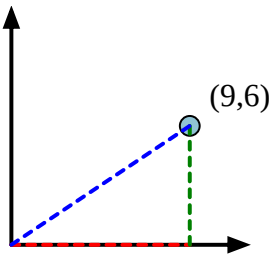

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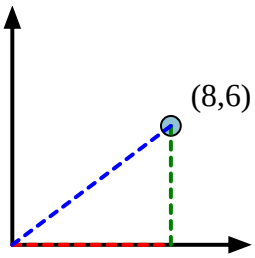

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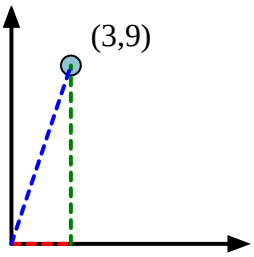

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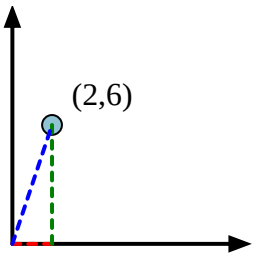

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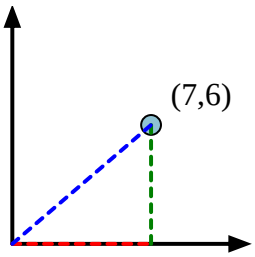


Answers

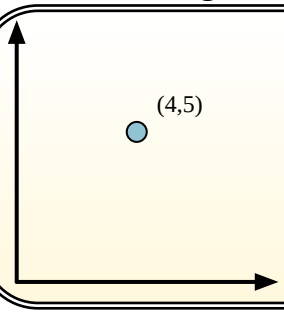
1. **18.43**
2. **30.96**
3. **9.46**
4. **37.87**
5. **45.00**
6. **74.05**
7. **38.66**
8. **33.69**
9. **36.87**
10. **71.57**
11. **71.57**
12. **40.60**

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Finding Angle between Two Points

Name:

Calculate the angle of the circle relative to (0,0).



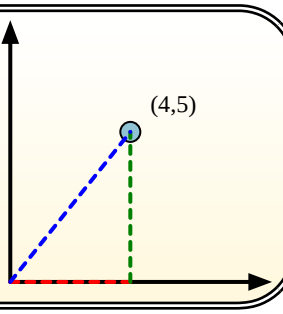
First find the slope.

$(y_2-y_1)\div(x_2-x_1) = m$

(5-0)÷(4-0) = **1.25**

Then find the arc tangent (aka. inverse tangent) of the slope.

arctan(1.25) = **51.34°**



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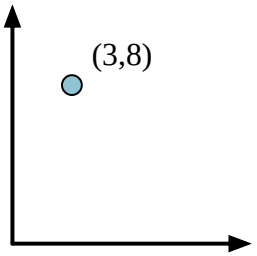

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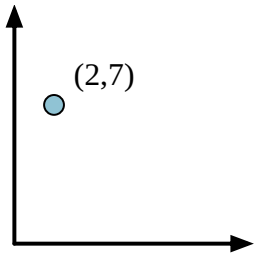

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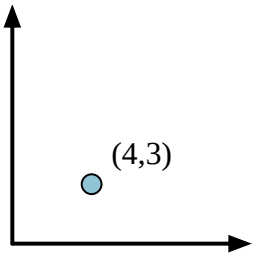

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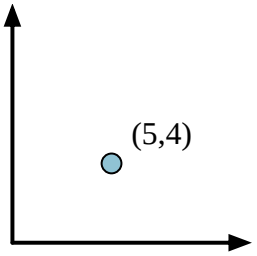

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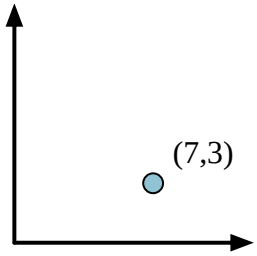

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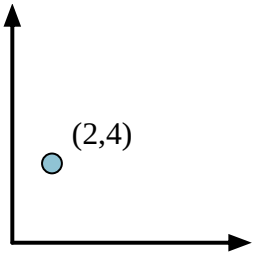

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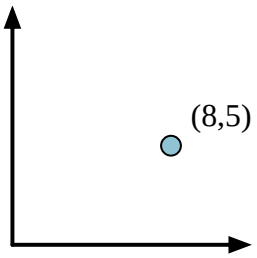

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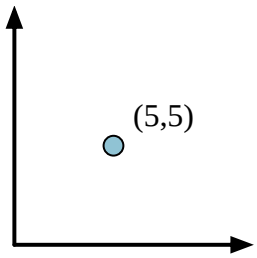

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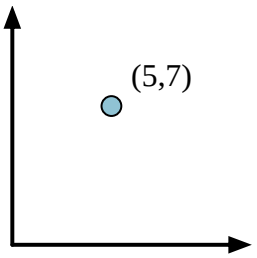

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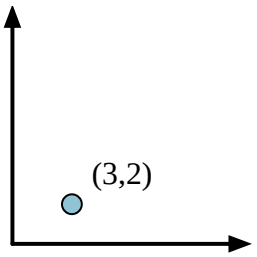

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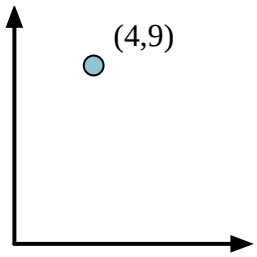

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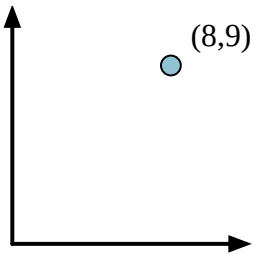


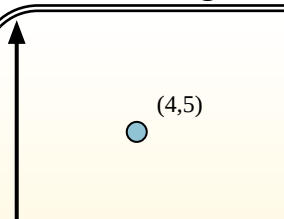
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Finding Angle between Two Points Name: **Answer Key**

Calculate the angle of the circle relative to (0,0).



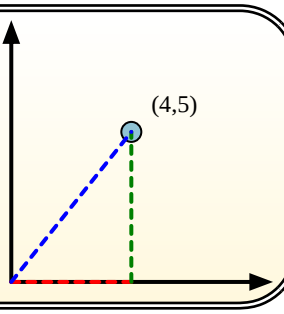
First find the slope.

$(y_2-y_1)\div(x_2-x_1) = m$

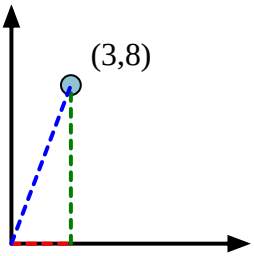
$(5-0)\div(4-0) =$ **1.25**

Then find the arc tangent (aka. inverse tangent) of the slope.

arctan(1.25) = **51.34°**



1)



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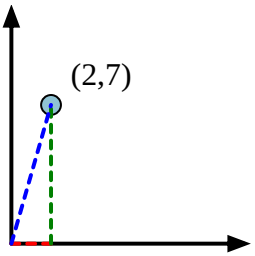

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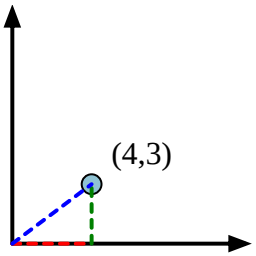

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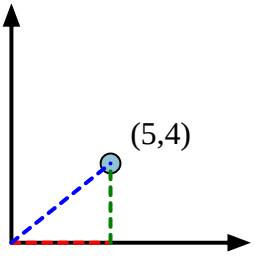

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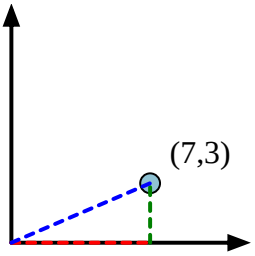

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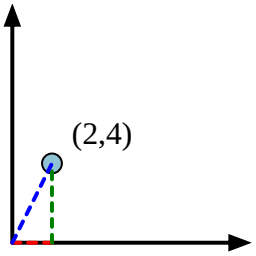

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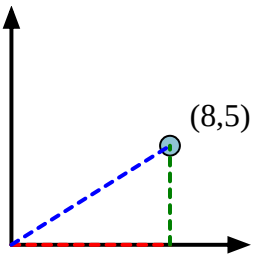

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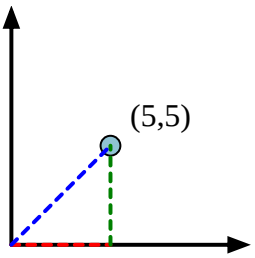

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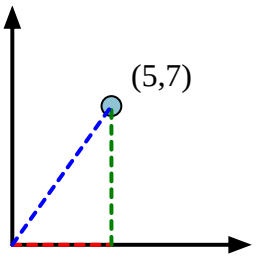

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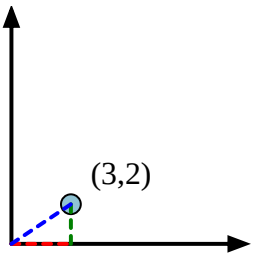

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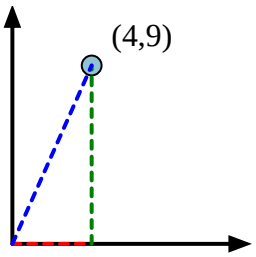

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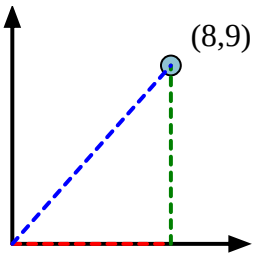


Answers

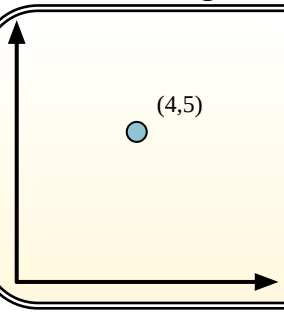
1. **69.44**
2. **74.05**
3. **36.87**
4. **38.66**
5. **23.20**
6. **63.43**
7. **32.01**
8. **45.00**
9. **54.46**
10. **33.69**
11. **66.04**
12. **48.37**

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Finding Angle between Two Points

Name:

Calculate the angle of the circle relative to (0,0).



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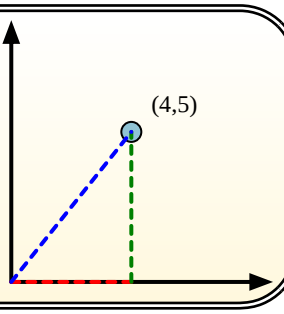
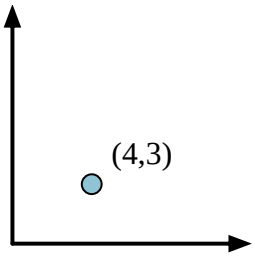


1)



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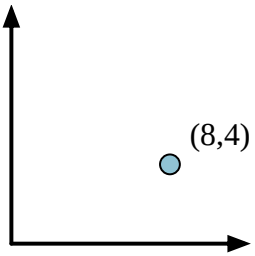

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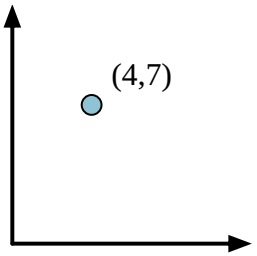

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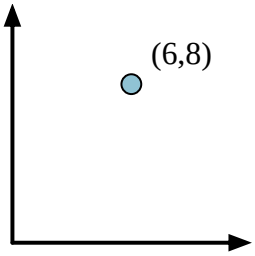

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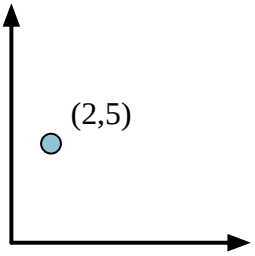

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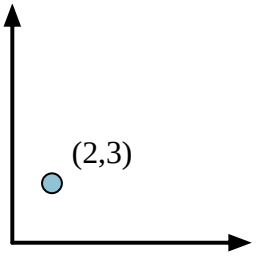

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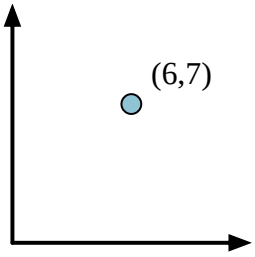

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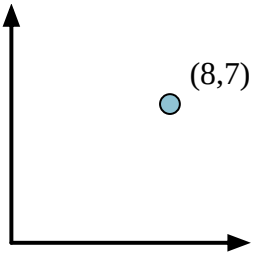

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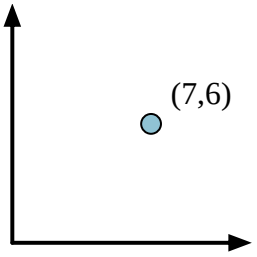
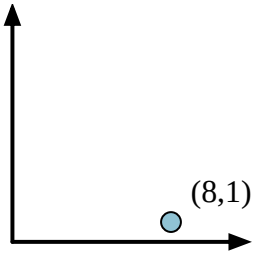


10)



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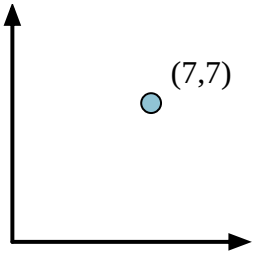

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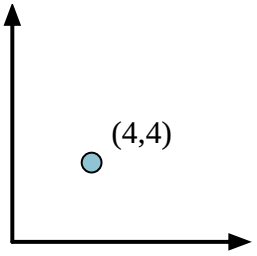
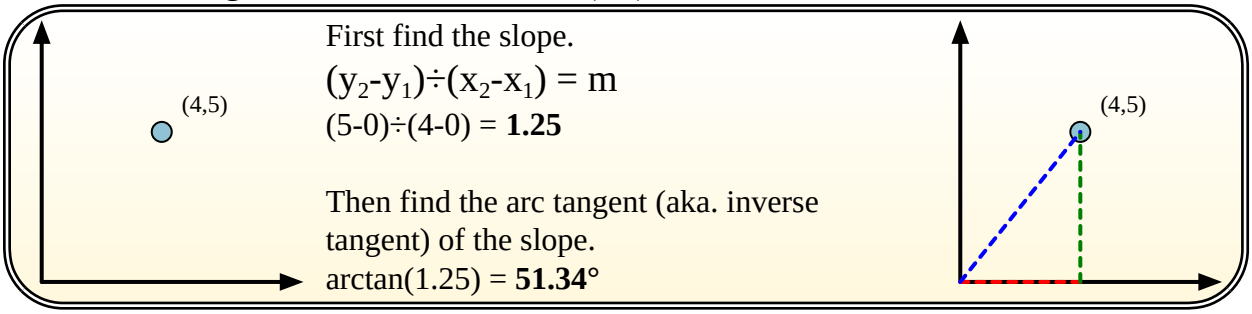


Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Calculate the angle of the circle relative to (0,0).



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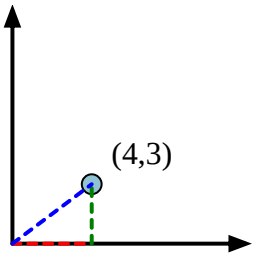

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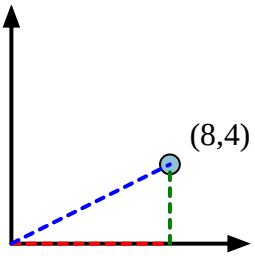

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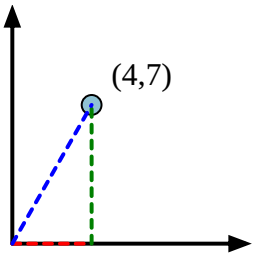

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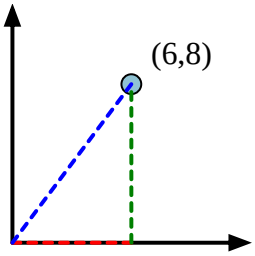

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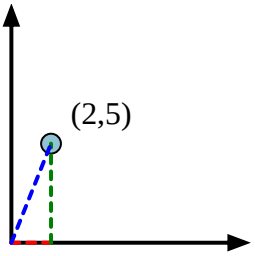

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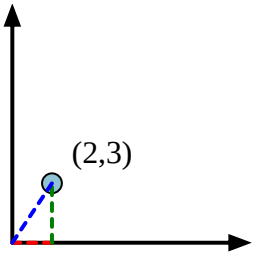

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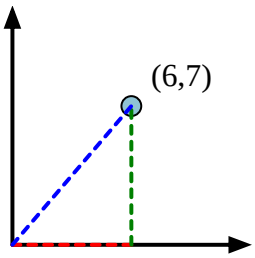

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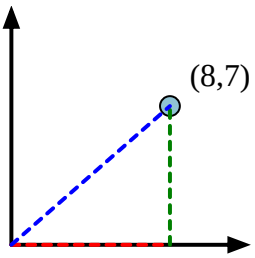

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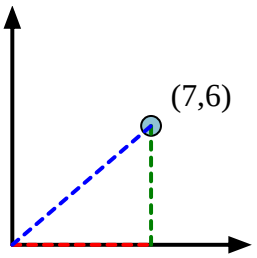

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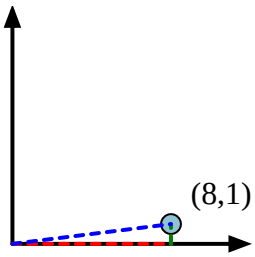

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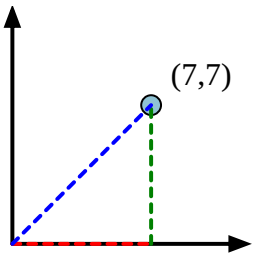

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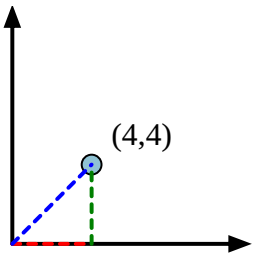


Answers

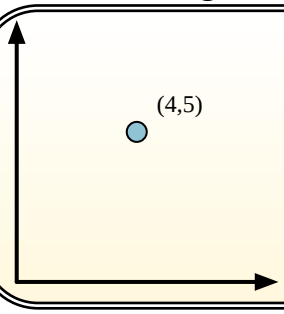
1. **36.87**
2. **26.57**
3. **60.26**
4. **53.13**
5. **68.20**
6. **56.31**
7. **49.40**
8. **41.19**
9. **40.60**
10. **7.13**
11. **45.00**
12. **45.00**

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Finding Angle between Two Points

Name:

Calculate the angle of the circle relative to (0,0).



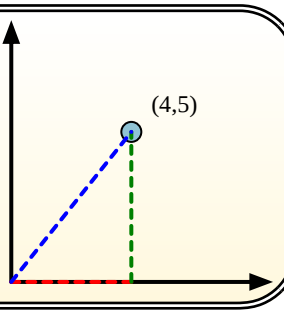
First find the slope.

$(y_2-y_1)\div(x_2-x_1) = m$

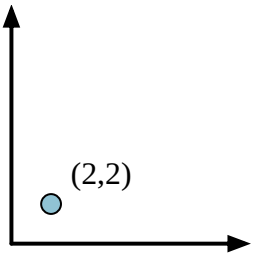
$(5-0)\div(4-0) =$ **1.25**

Then find the arc tangent (aka. inverse tangent) of the slope.

arctan(1.25) = **51.34°**



1)



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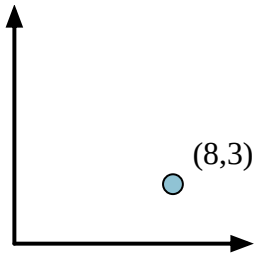

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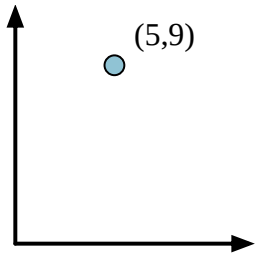

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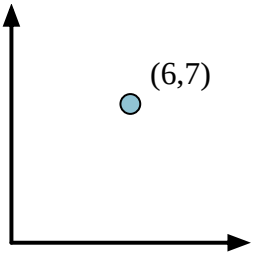
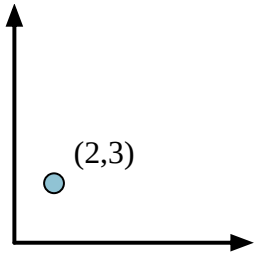


5)



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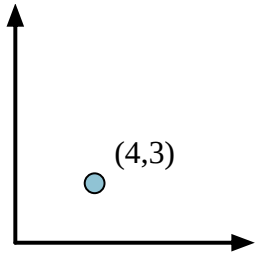

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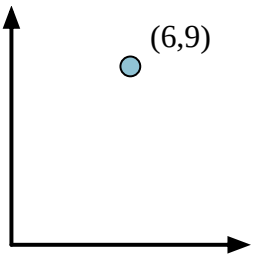

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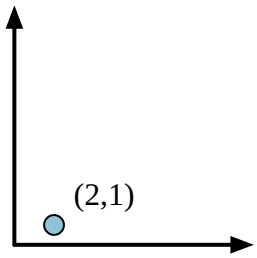

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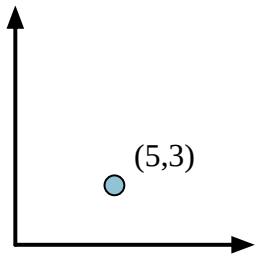

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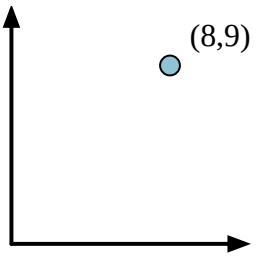

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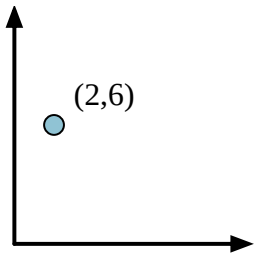

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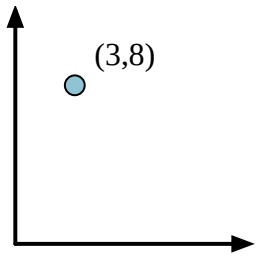


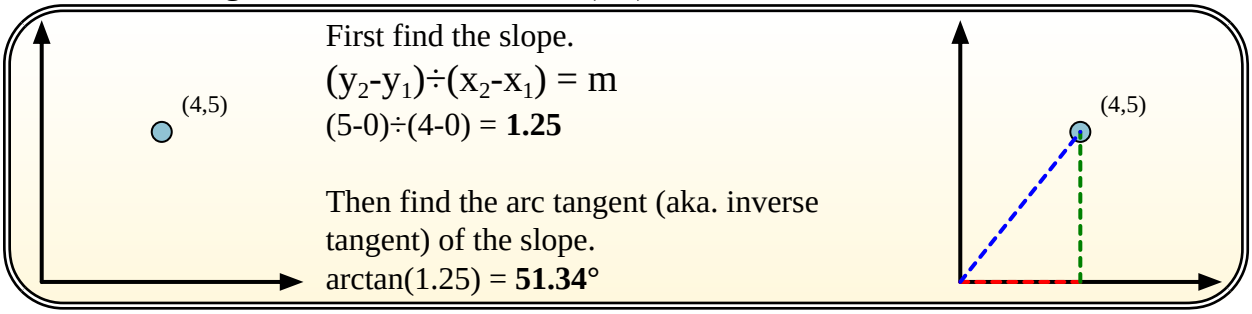
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

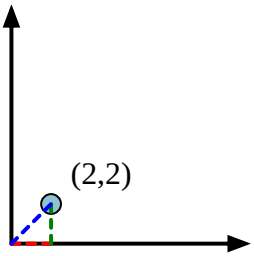
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Finding Angle between Two Points Name: **Answer Key**

Calculate the angle of the circle relative to (0,0).



1)



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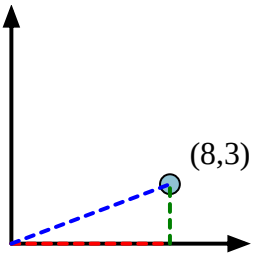

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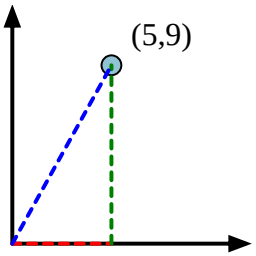

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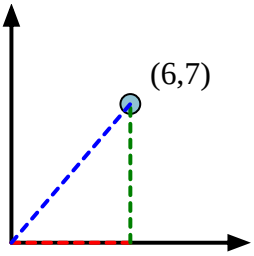

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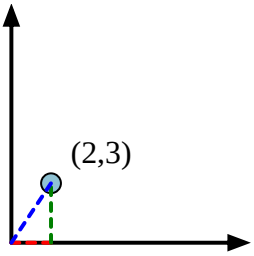

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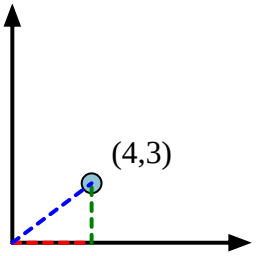

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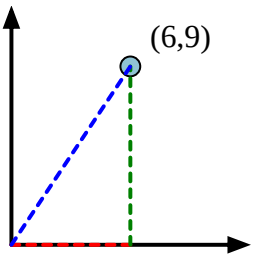

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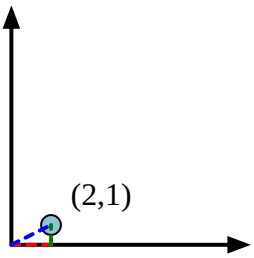

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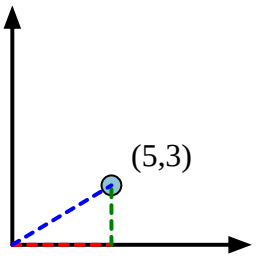

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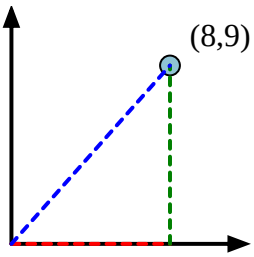

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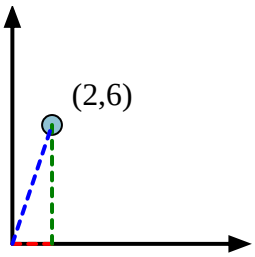
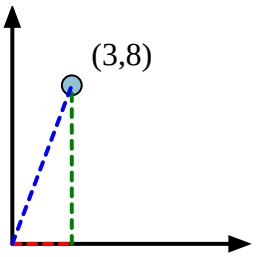


12)



Answers

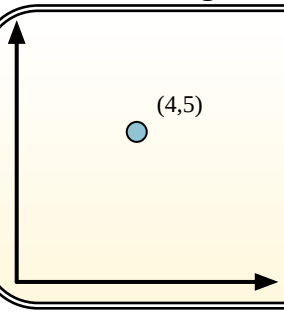
1. **45.00**
2. **20.56**
3. **60.95**
4. **49.40**
5. **56.31**
6. **36.87**
7. **56.31**
8. **26.57**
9. **30.96**
10. **48.37**
11. **71.57**
12. **69.44**

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Finding Angle between Two Points

Name:

Calculate the angle of the circle relative to (0,0).



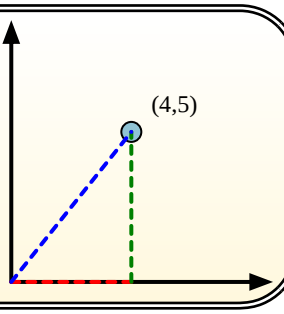
First find the slope.

$(y_2-y_1)\div(x_2-x_1) = m$

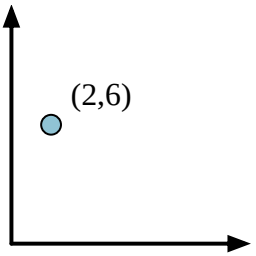
$(5-0)\div(4-0) =$ **1.25**

Then find the arc tangent (aka. inverse tangent) of the slope.

arctan(1.25) = **51.34°**



1)



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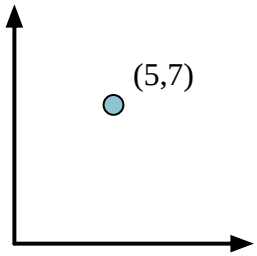

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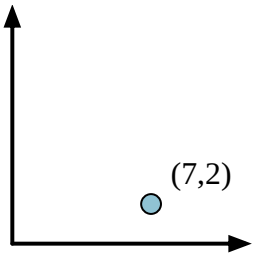

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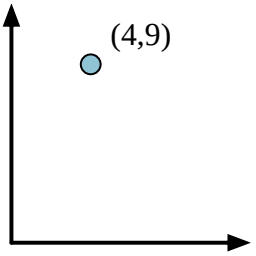
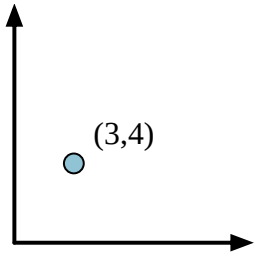


5)



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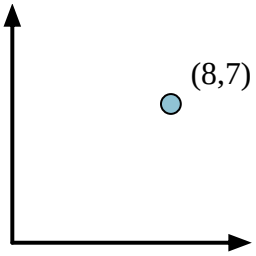

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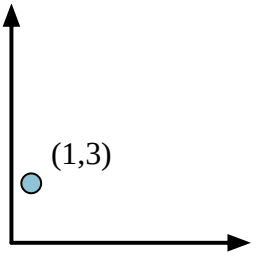

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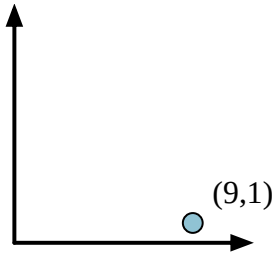

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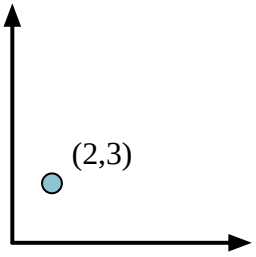

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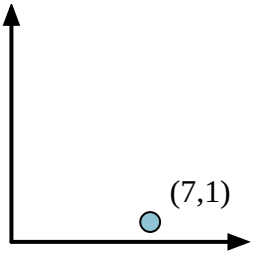

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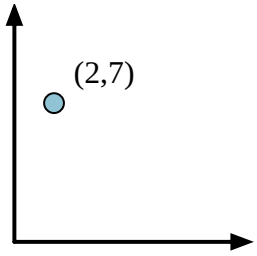

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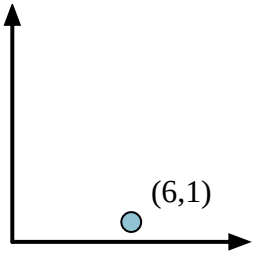
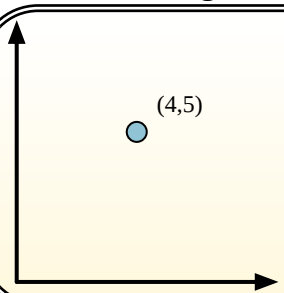


Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Calculate the angle of the circle relative to (0,0).



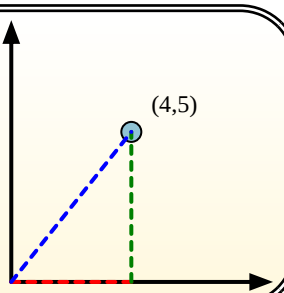
First find the slope.

$(y_2-y_1)\div(x_2-x_1) = m$

$(5-0)\div(4-0) =$ **1.25**

Then find the arc tangent (aka. inverse tangent) of the slope.

$\arctan(1.25) =$ **51.34°**



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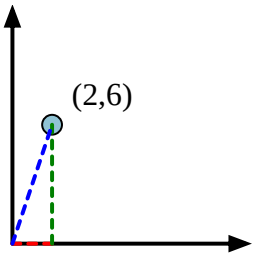

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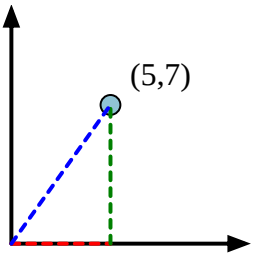

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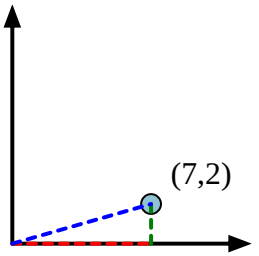

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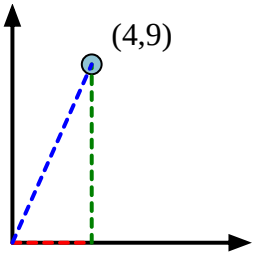

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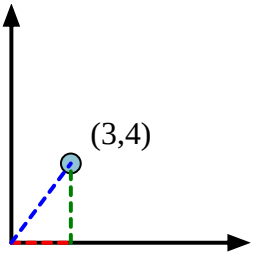

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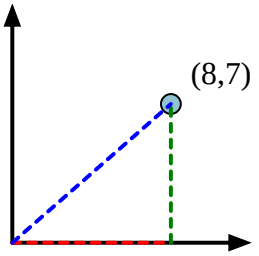

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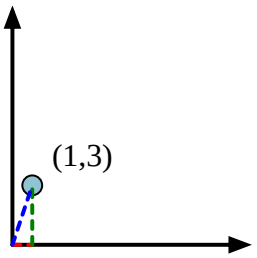

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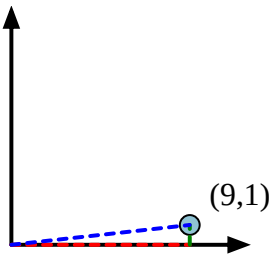

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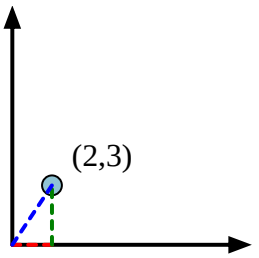

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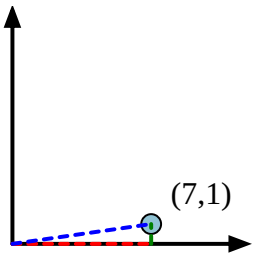

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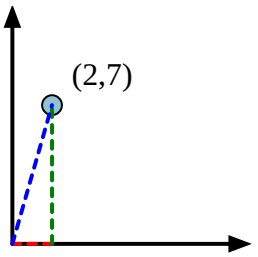

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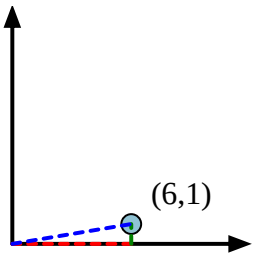


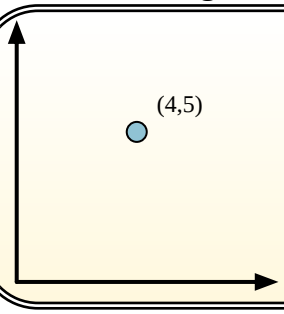
Answers

1. **71.57**
2. **54.46**
3. **15.95**
4. **66.04**
5. **53.13**
6. **41.19**
7. **71.57**
8. **6.34**
9. **56.31**
10. **8.13**
11. **74.05**
12. **9.46**

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Finding Angle between Two Points Name:

Calculate the angle of the circle relative to (0,0).



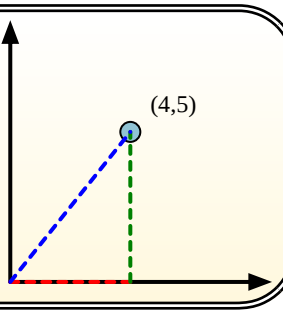
First find the slope.

$(y_2-y_1)\div(x_2-x_1) = m$

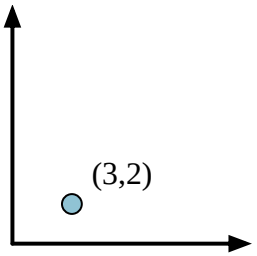
(5-0)÷(4-0) = **1.25**

Then find the arc tangent (aka. inverse tangent) of the slope.

arctan(1.25) = **51.34°**



1)



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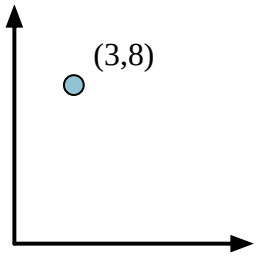

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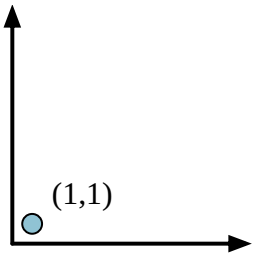

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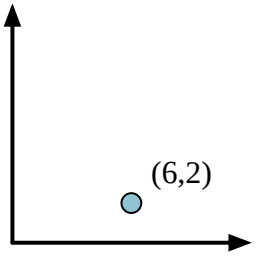

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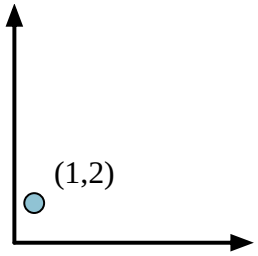

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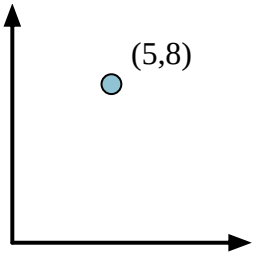

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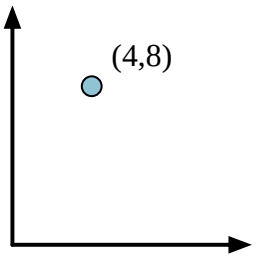

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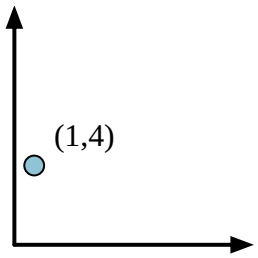
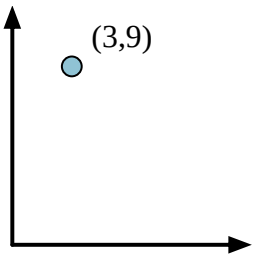


9)



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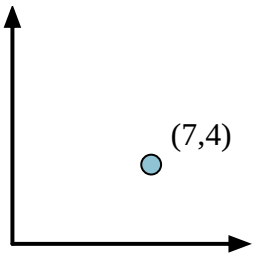

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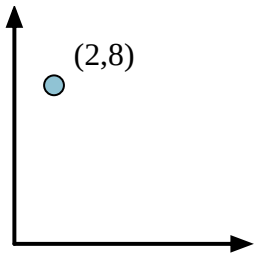
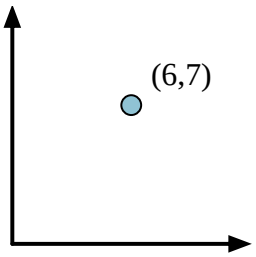


12)



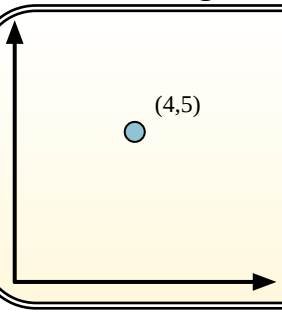
Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Finding Angle between Two Points Name: **Answer Key**

Calculate the angle of the circle relative to (0,0).



First find the slope.

$(y_2-y_1)\div(x_2-x_1) = m$

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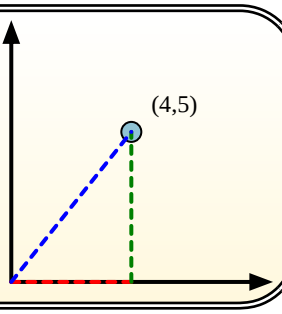
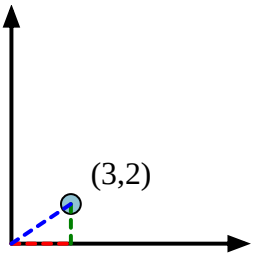


1)



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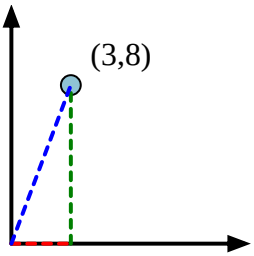

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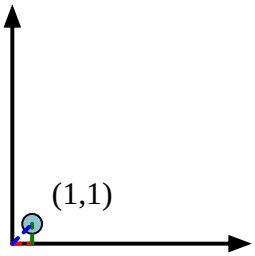

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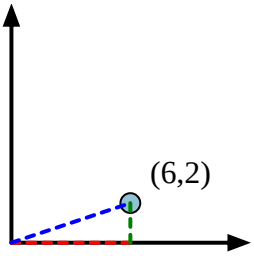

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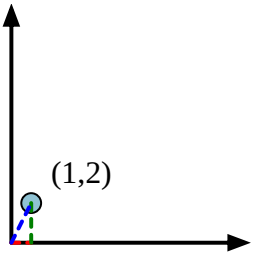
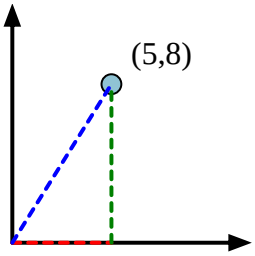


6)



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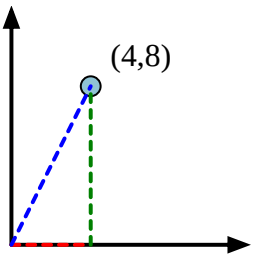

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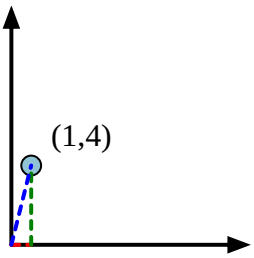

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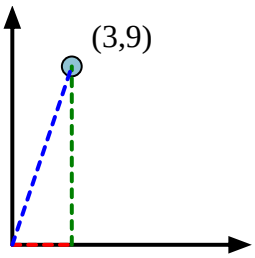

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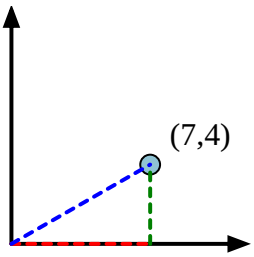

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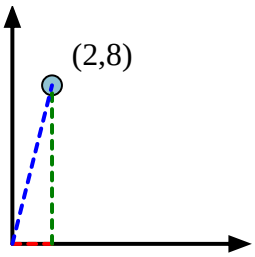
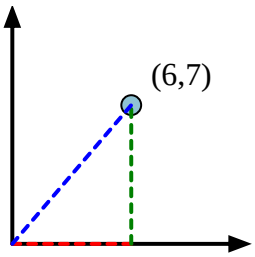


12)



Answers

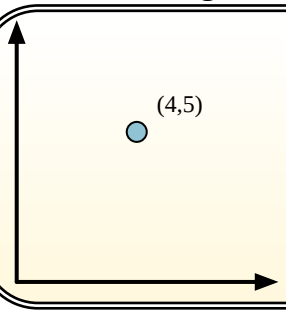
1. **33.69**
2. **69.44**
3. **45.00**
4. **18.43**
5. **63.43**
6. **57.99**
7. **63.43**
8. **75.96**
9. **71.57**
10. **29.74**
11. **75.96**
12. **49.40**

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Finding Angle between Two Points

Name:

Calculate the angle of the circle relative to (0,0).



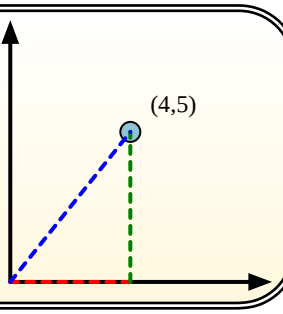
First find the slope.

$(y_2-y_1)\div(x_2-x_1) = m$

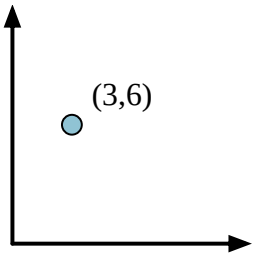
$(5-0)\div(4-0) =$ **1.25**

Then find the arc tangent (aka. inverse tangent) of the slope.

arctan(1.25) = **51.34°**



1)



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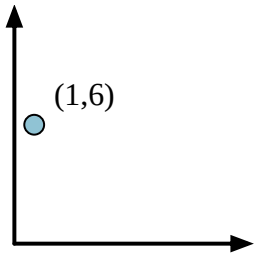

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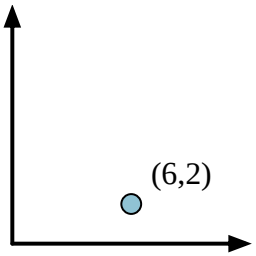

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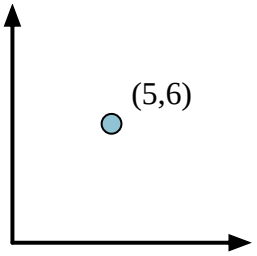

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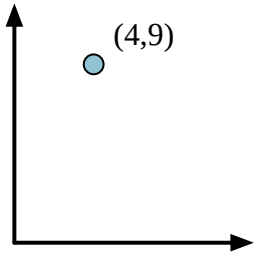

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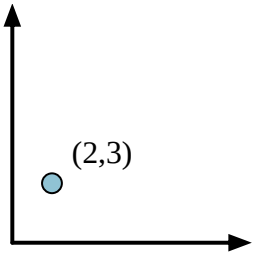

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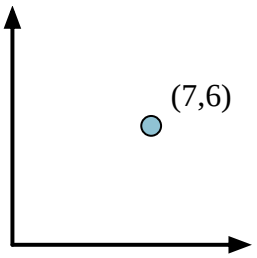

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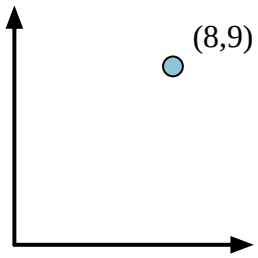

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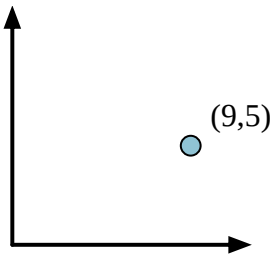

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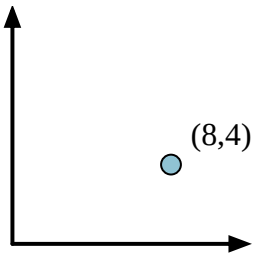

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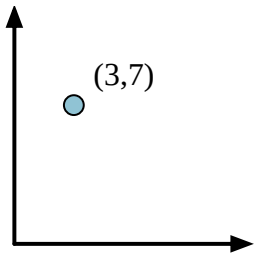

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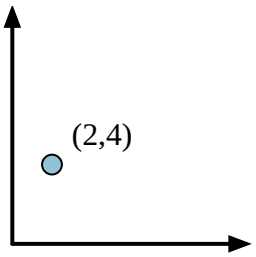
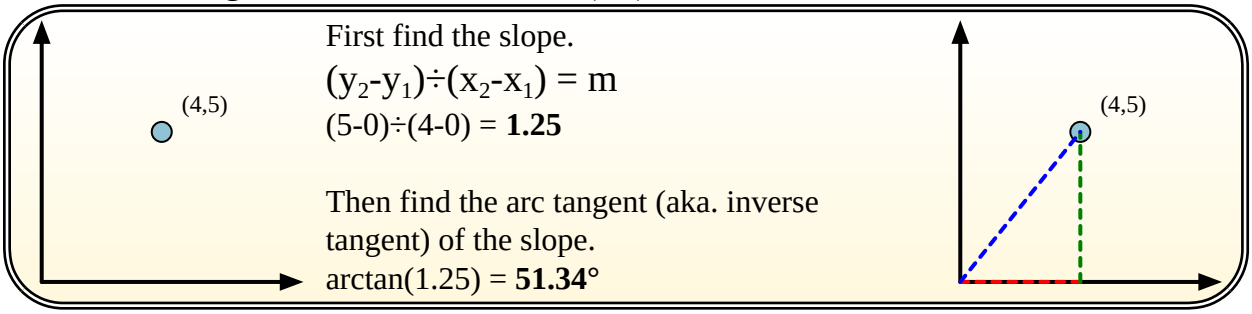


Answers

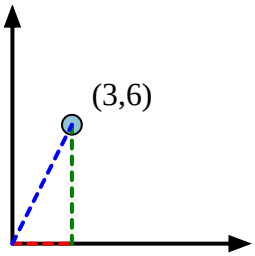
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Calculate the angle of the circle relative to (0,0).



1)



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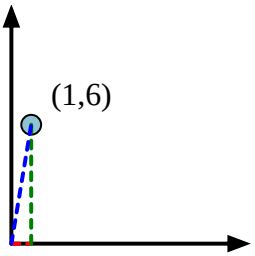

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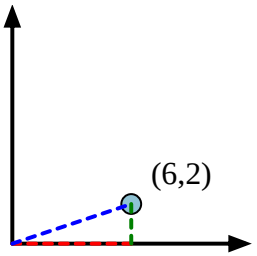

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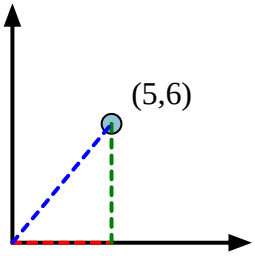

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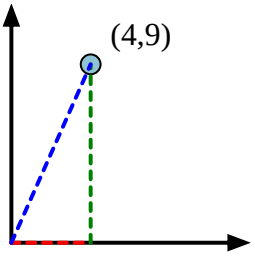

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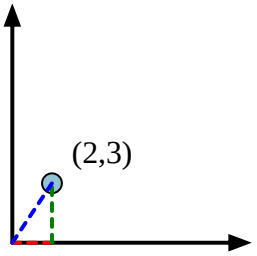

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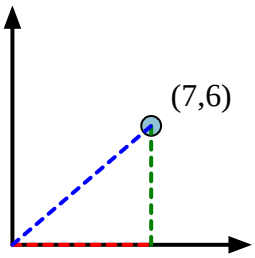

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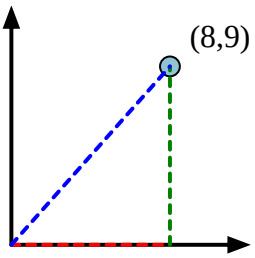

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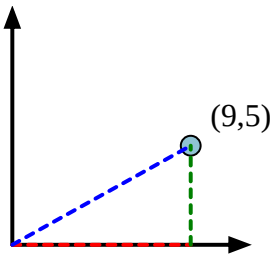

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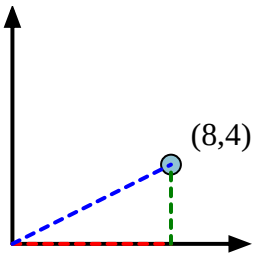

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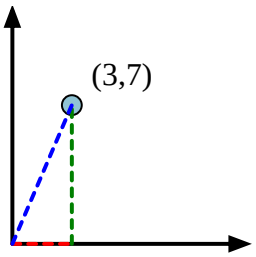

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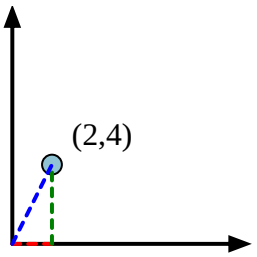

Answers

1. **63.43**
2. **80.54**
3. **18.43**
4. **50.19**
5. **66.04**
6. **56.31**
7. **40.60**
8. **48.37**
9. **29.05**
10. **26.57**
11. **66.80**
12. **63.43**

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								