



Solve each problem. Round to two decimal places.

- 1) x value of 2 and y value of 5. Find the radius.
- 2) x value of 3 and y value of 5. Find the radius.
- 3) y value of 5 and x value of 7.48. Find the radius.
- 4) x value of 4 and y value of 3. Find the radius.
- 5) x value of 4 and y value of 3. Find the radius.
- 6) x value of 2 and y value of 3. Find the radius.
- 7) x value of 5 and y value of 5. Find the radius.
- 8) x value of 5 and y value of 5. Find the radius.
- 9) y value of 4 and x value of 5.74. Find the radius.
- 10) x value of 2 and radius of 8. Find the value of y.
- 11) x value of 2 and radius of 8. Find the value of y.
- 12) x value of 3 and radius of 7. Find the value of y.
- 13) x value of 4 and radius of 9. Find the value of y.

Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_
13. \_\_\_\_\_



Solve each problem. Round to two decimal places.

- 1) x value of 2 and y value of 5. Find the radius.  
 $r^2 = 2^2 + 5^2$   
 $r = \pm\sqrt{7}$
- 2) x value of 3 and y value of 5. Find the radius.  
 $r^2 = 3^2 + 5^2$   
 $r = \pm\sqrt{10}$
- 3) y value of 5 and x value of 7.48. Find the radius.  
 $x^2 = 9^2 - 5^2$   
 $x = \pm\sqrt{56}$
- 4) x value of 4 and y value of 3. Find the radius.  
 $r^2 = 4^2 + 3^2$   
 $r = \pm\sqrt{6}$
- 5) x value of 4 and y value of 3. Find the radius.  
 $r^2 = 4^2 + 3^2$   
 $r = \pm\sqrt{9}$
- 6) x value of 2 and y value of 3. Find the radius.  
 $r^2 = 2^2 + 3^2$   
 $r = \pm\sqrt{9}$
- 7) x value of 5 and y value of 5. Find the radius.  
 $r^2 = 5^2 + 5^2$   
 $r = \pm\sqrt{9}$
- 8) x value of 5 and y value of 5. Find the radius.  
 $r^2 = 5^2 + 5^2$   
 $r = \pm\sqrt{8}$
- 9) y value of 4 and x value of 5.74. Find the radius.  
 $x^2 = 7^2 - 4^2$   
 $x = \pm\sqrt{33}$
- 10) x value of 2 and radius of 8. Find the value of y.  
 $y^2 = 8^2 - 2^2$   
 $y = \pm\sqrt{60}$
- 11) x value of 2 and radius of 8. Find the value of y.  
 $y^2 = 8^2 - 2^2$   
 $y = \pm\sqrt{60}$
- 12) x value of 3 and radius of 7. Find the value of y.  
 $y^2 = 7^2 - 3^2$   
 $y = \pm\sqrt{40}$
- 13) x value of 4 and radius of 9. Find the value of y.  
 $y^2 = 9^2 - 4^2$   
 $y = \pm\sqrt{65}$

Answers

1. ±5.39
2. ±5.83
3. ±7.48
4. ±5.00
5. ±5.00
6. ±3.61
7. ±7.07
8. ±7.07
9. ±5.74
10. ±7.75
11. ±7.75
12. ±6.32
13. ±8.06