Name:

Solve each problem. Round to two decimal places.

1) x value of 5 and y value of 4. Find the radius.

1. _____

2) x value of 4 and radius of 7. Find the value of y.

2. _____

3. _____

3) y value of 3 and x value of 7.42. Find the radius.

4. _____

5. _____

4) x value of 4 and y value of 3. Find the radius.

6. _____

5) x value of 5 and radius of 9. Find the value of y.

7. _____

8. _____

6) x value of 5 and radius of 9. Find the value of y.

9. _____

7) x value of 2 and radius of 6. Find the value of y.

10. _____

11. _____

8) x value of 2 and radius of 8. Find the value of y.

12. _____

9) x value of 5 and y value of 4. Find the radius.

13. _____

10) x value of 5 and radius of 8. Find the value of y.

11) x value of 4 and radius of 6. Find the value of y.

12) x value of 2 and radius of 6. Find the value of y.
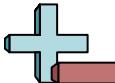
13) x value of 4 and radius of 9. Find the value of y.

1-10	92	85	77	69	62	54	46	38	31	23
11-13	15	8	0							

Solve each problem. Round to two decimal places.

Answers

1) x value of 5 and y value of 4. Find the radius.
$r^2 = 5^2 + 4^2$
$r = \pm\sqrt{7}$

1. ± 6.40

2) x value of 4 and radius of 7. Find the value of y.
$y^2 = 7^2 - 4^2$
$y = \pm\sqrt{33}$

2. ± 5.74

3) y value of 3 and x value of 7.42. Find the radius.
$x^2 = 8^2 - 3^2$
$x = \pm\sqrt{55}$

3. ± 7.42

4) x value of 4 and y value of 3. Find the radius.
$r^2 = 4^2 + 3^2$
$r = \pm\sqrt{10}$

4. ± 5.00

5) x value of 5 and radius of 9. Find the value of y.
$y^2 = 9^2 - 5^2$
$y = \pm\sqrt{56}$

5. ± 7.48

6) x value of 5 and radius of 9. Find the value of y.
$y^2 = 9^2 - 5^2$
$y = \pm\sqrt{56}$

6. ± 7.48

7) x value of 2 and radius of 6. Find the value of y.
$y^2 = 6^2 - 2^2$
$y = \pm\sqrt{32}$

7. ± 5.66

8) x value of 2 and radius of 8. Find the value of y.
$y^2 = 8^2 - 2^2$
$y = \pm\sqrt{60}$

8. ± 7.75

9) x value of 5 and y value of 4. Find the radius.
$r^2 = 5^2 + 4^2$
$r = \pm\sqrt{8}$

9. ± 6.40

10) x value of 5 and radius of 8. Find the value of y.
$y^2 = 8^2 - 5^2$
$y = \pm\sqrt{39}$

10. ± 6.24

11) x value of 4 and radius of 6. Find the value of y.
$y^2 = 6^2 - 4^2$
$y = \pm\sqrt{20}$

11. ± 4.47

12) x value of 2 and radius of 6. Find the value of y.
$y^2 = 6^2 - 2^2$
$y = \pm\sqrt{32}$

12. ± 5.66

13) x value of 4 and radius of 9. Find the value of y.
$y^2 = 9^2 - 4^2$
$y = \pm\sqrt{65}$

13. ± 8.06

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| 1-10 | 92 | 85 | 77 | 69 | 62 | 54 | 46 | 38 | 31 | 23 |
| 11-13 | 15 | 8 | 0 | | | | | | | |