Solve each problem. Round to two decimal places.

1) y value of 3 and x value of 6.32. Find the radius.

2) y value of 3 and x value of 9.54. Find the radius.

3) x value of 4 and radius of 10. Find the value of y.

4) y value of 4 and x value of 9.17. Find the radius.

5) y value of 5 and x value of 3.32. Find the radius.

6) y value of 2 and x value of 7.75. Find the radius.

7) y value of 4 and x value of 8.06. Find the radius.

8) x value of 3 and radius of 6. Find the value of y.

9) x value of 5 and y value of 3. Find the radius.

10) x value of 2 and radius of 10. Find the value of y.

11) y value of 4 and x value of 6.93. Find the radius.

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

13) y value of 3 and x value of 8.49. Find the radius.

Answers

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

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.

1) y value of 3 and x value of 6.32. Find the radius.
$x^2 = 7^2 - 3^2$
$x = \pm\sqrt{40}$

2) y value of 3 and x value of 9.54. Find the radius.
$x^2 = 10^2 - 3^2$
$x = \pm\sqrt{91}$

3) x value of 4 and radius of 10. Find the value of y.
$y^2 = 10^2 - 4^2$
$y = \pm\sqrt{84}$

4) y value of 4 and x value of 9.17. Find the radius.
$x^2 = 10^2 - 4^2$
$x = \pm\sqrt{84}$

5) y value of 5 and x value of 3.32. Find the radius.
$x^2 = 6^2 - 5^2$
$x = \pm\sqrt{11}$

6) y value of 2 and x value of 7.75. Find the radius.
$x^2 = 8^2 - 2^2$
$x = \pm\sqrt{60}$

7) y value of 4 and x value of 8.06. Find the radius.
$x^2 = 9^2 - 4^2$
$x = \pm\sqrt{65}$

8) x value of 3 and radius of 6. Find the value of y.
$y^2 = 6^2 - 3^2$
$y = \pm\sqrt{27}$

9) x value of 5 and y value of 3. Find the radius.
$r^2 = 5^2 + 3^2$
$r = \pm\sqrt{10}$

10) x value of 2 and radius of 10. Find the value of y.
$y^2 = 10^2 - 2^2$
$y = \pm\sqrt{96}$

11) y value of 4 and x value of 6.93. Find the radius.
$x^2 = 8^2 - 4^2$
$x = \pm\sqrt{48}$

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

13) y value of 3 and x value of 8.49. Find the radius.
$x^2 = 9^2 - 3^2$
$x = \pm\sqrt{72}$

Answers

1. ±6.32
2. ±9.54
3. ±9.17
4. ±9.17
5. ±3.32
6. ±7.75
7. ±8.06
8. ±5.20
9. ±5.83
10. ±9.80
11. ±6.93
12. ±5.74
13. ±8.49

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