Solve each problem. Round to two decimal places.

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

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

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

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

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

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

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

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

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

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.

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

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

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

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

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

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

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

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

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

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

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

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

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. **±6.40**
2. **±5.74**
3. **±7.42**
4. **±5.00**
5. **±7.48**
6. **±7.48**
7. **±5.66**
8. **±7.75**
9. **±6.40**
10. **±6.24**
11. **±4.47**
12. **±5.66**
13. **±8.06**

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