Solve each problem. Round to two decimal places.

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

2) y value of 5 and radius of 7. Find the value of x.

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

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

5) y value of 2 and radius of 9. Find the value of x.

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

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

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

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

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

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

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

13) y value of 5 and radius of 7. Find the value of x.

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

15) x value of 2 and y value of 5. Find the radius.

Answers

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

1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					

Solve each problem. Round to two decimal places.

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

2) y value of 5 and radius of 7. Find the value of x.
$x^2 = 7^2 - 5^2$
$x = \pm\sqrt{24}$

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

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

5) y value of 2 and radius of 9. Find the value of x.
$x^2 = 9^2 - 2^2$
$x = \pm\sqrt{77}$

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

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

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

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

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

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

12) x value of 4 and y value of 2. Find the radius.
$r^2 = 4^2 + 2^2$
$r = \pm\sqrt{6}$

13) y value of 5 and radius of 7. Find the value of x.
$x^2 = 7^2 - 5^2$
$x = \pm\sqrt{24}$

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

15) x value of 2 and y value of 5. Find the radius.

Answers

1. **±4.47**
2. **±4.90**
3. **±5.74**
4. **±9.17**
5. **±8.77**
6. **±4.47**
7. **±9.54**
8. **±9.17**
9. **±3.32**
10. **±2.83**
11. **±5.66**
12. **±4.47**
13. **±4.90**
14. **±4.47**
15. **±5.39**

1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					