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. _____

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 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

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