



Solve each problem. Round to two decimal places.

- 1) x value of 3 and radius of 7. Find the value of y .
- 2) x value of 3 and radius of 6. Find the value of y .
- 3) y value of 3 and x value of 8.49. Find the radius.
- 4) x value of 3 and y value of 2. Find the radius.
- 5) y value of 3 and x value of 6.32. Find the radius.
- 6) x value of 4 and radius of 6. Find the value of y .
- 7) x value of 4 and radius of 7. Find the value of y .
- 8) y value of 4 and x value of 8.06. Find the radius.
- 9) x value of 5 and radius of 8. Find the value of y .
- 10) x value of 4 and radius of 10. Find the value of y .
- 11) x value of 3 and radius of 9. Find the value of y .
- 12) y value of 2 and x value of 8.77. Find the radius.
- 13) y value of 2 and x value of 9.80. Find the radius.

Answers

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



Solve each problem. Round to two decimal places.

- 1) x value of 3 and radius of 7. Find the value of y.
 $y^2 = 7^2 - 3^2$
 $y = \pm\sqrt{40}$
- 2) x value of 3 and radius of 6. Find the value of y.
 $y^2 = 6^2 - 3^2$
 $y = \pm\sqrt{27}$
- 3) y value of 3 and x value of 8.49. Find the radius.
 $x^2 = 9^2 - 3^2$
 $x = \pm\sqrt{72}$
- 4) x value of 3 and y value of 2. Find the radius.
 $r^2 = 3^2 + 2^2$
 $r = \pm\sqrt{9}$
- 5) y value of 3 and x value of 6.32. Find the radius.
 $x^2 = 7^2 - 3^2$
 $x = \pm\sqrt{40}$
- 6) x value of 4 and radius of 6. Find the value of y.
 $y^2 = 6^2 - 4^2$
 $y = \pm\sqrt{20}$
- 7) x value of 4 and radius of 7. Find the value of y.
 $y^2 = 7^2 - 4^2$
 $y = \pm\sqrt{33}$
- 8) y value of 4 and x value of 8.06. Find the radius.
 $x^2 = 9^2 - 4^2$
 $x = \pm\sqrt{65}$
- 9) x value of 5 and radius of 8. Find the value of y.
 $y^2 = 8^2 - 5^2$
 $y = \pm\sqrt{39}$
- 10) x value of 4 and radius of 10. Find the value of y.
 $y^2 = 10^2 - 4^2$
 $y = \pm\sqrt{84}$
- 11) x value of 3 and radius of 9. Find the value of y.
 $y^2 = 9^2 - 3^2$
 $y = \pm\sqrt{72}$
- 12) y value of 2 and x value of 8.77. Find the radius.
 $x^2 = 9^2 - 2^2$
 $x = \pm\sqrt{77}$
- 13) y value of 2 and x value of 9.80. Find the radius.
 $x^2 = 10^2 - 2^2$
 $x = \pm\sqrt{96}$

Answers

1. ±6.32
2. ±5.20
3. ±8.49
4. ±3.61
5. ±6.32
6. ±4.47
7. ±5.74
8. ±8.06
9. ±6.24
10. ±9.17
11. ±8.49
12. ±8.77
13. ±9.80