



Solve each problem. Round to two decimal places.

Answers

- 1) x value of 5 and radius of 8. Find the value of y .
- 2) x value of 3 and radius of 6. Find the value of y .
- 3) y value of 4 and x value of 4.47. Find the radius.
- 4) x value of 3 and radius of 9. Find the value of y .
- 5) x value of 4 and y value of 4. Find the radius.
- 6) x value of 5 and radius of 10. Find the value of y .
- 7) x value of 3 and radius of 10. Find the value of y .
- 8) x value of 3 and radius of 8. Find the value of y .
- 9) y value of 4 and x value of 6.93. Find the radius.
- 10) x value of 3 and radius of 6. Find the value of y .
- 11) y value of 4 and x value of 5.74. Find the radius.
- 12) y value of 4 and x value of 9.17. Find the radius.
- 13) y value of 4 and x value of 9.17. Find the radius.

- 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 5 and radius of 8. Find the value of y.
 $y^2 = 8^2 - 5^2$
 $y = \pm\sqrt{39}$
- 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 4 and x value of 4.47. Find the radius.
 $x^2 = 6^2 - 4^2$
 $x = \pm\sqrt{20}$
- 4) x value of 3 and radius of 9. Find the value of y.
 $y^2 = 9^2 - 3^2$
 $y = \pm\sqrt{72}$
- 5) x value of 4 and y value of 4. Find the radius.
 $r^2 = 4^2 + 4^2$
 $r = \pm\sqrt{6}$
- 6) x value of 5 and radius of 10. Find the value of y.
 $y^2 = 10^2 - 5^2$
 $y = \pm\sqrt{75}$
- 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 3 and radius of 8. Find the value of y.
 $y^2 = 8^2 - 3^2$
 $y = \pm\sqrt{55}$
- 9) y value of 4 and x value of 6.93. Find the radius.
 $x^2 = 8^2 - 4^2$
 $x = \pm\sqrt{48}$
- 10) x value of 3 and radius of 6. Find the value of y.
 $y^2 = 6^2 - 3^2$
 $y = \pm\sqrt{27}$
- 11) y value of 4 and x value of 5.74. Find the radius.
 $x^2 = 7^2 - 4^2$
 $x = \pm\sqrt{33}$
- 12) y value of 4 and x value of 9.17. Find the radius.
 $x^2 = 10^2 - 4^2$
 $x = \pm\sqrt{84}$
- 13) y value of 4 and x value of 9.17. Find the radius.
 $x^2 = 10^2 - 4^2$
 $x = \pm\sqrt{84}$

Answers

1. ±6.24
2. ±5.20
3. ±4.47
4. ±8.49
5. ±5.66
6. ±8.66
7. ±9.54
8. ±7.42
9. ±6.93
10. ±5.20
11. ±5.74
12. ±9.17
13. ±9.17