



Solve each problem. Round to two decimal places.

Answers

- 1) x value of 2 and y value of 4. Find the radius. 1. _____
- 2) y value of 4 and radius of 9. Find the value of x. 2. _____
- 3) x value of 4 and radius of 10. Find the value of y. 3. _____
- 4) x value of 5 and radius of 8. Find the value of y. 4. _____
- 5) x value of 2 and y value of 3. Find the radius. 5. _____
- 6) y value of 3 and radius of 9. Find the value of x. 6. _____
- 7) y value of 2 and radius of 6. Find the value of x. 7. _____
- 8) x value of 2 and radius of 7. Find the value of y. 8. _____
- 9) x value of 4 and y value of 5. Find the radius. 9. _____
- 10) x value of 3 and y value of 4. Find the radius. 10. _____
- 11) y value of 5 and radius of 10. Find the value of x. 11. _____
- 12) y value of 5 and radius of 7. Find the value of x. 12. _____
- 13) x value of 5 and y value of 4. Find the radius. 13. _____
- 14) x value of 4 and radius of 6. Find the value of y. 14. _____
- 15) x value of 3 and y value of 2. Find the radius. 15. _____



Solve each problem. Round to two decimal places.

- 1) x value of 2 and y value of 4. Find the radius.
 $r^2 = 2^2 + 4^2$
 $r = \pm\sqrt{20}$
- 2) y value of 4 and radius of 9. Find the value of x.
 $x^2 = 9^2 - 4^2$
 $x = \pm\sqrt{65}$
- 3) x value of 4 and radius of 10. Find the value of y.
 $y^2 = 10^2 - 4^2$
 $y = \pm\sqrt{84}$
- 4) x value of 5 and radius of 8. Find the value of y.
 $y^2 = 8^2 - 5^2$
 $y = \pm\sqrt{39}$
- 5) x value of 2 and y value of 3. Find the radius.
 $r^2 = 2^2 + 3^2$
 $r = \pm\sqrt{13}$
- 6) y value of 3 and radius of 9. Find the value of x.
 $x^2 = 9^2 - 3^2$
 $x = \pm\sqrt{72}$
- 7) y value of 2 and radius of 6. Find the value of x.
 $x^2 = 6^2 - 2^2$
 $x = \pm\sqrt{32}$
- 8) x value of 2 and radius of 7. Find the value of y.
 $y^2 = 7^2 - 2^2$
 $y = \pm\sqrt{45}$
- 9) x value of 4 and y value of 5. Find the radius.
 $r^2 = 4^2 + 5^2$
 $r = \pm\sqrt{41}$
- 10) x value of 3 and y value of 4. Find the radius.
 $r^2 = 3^2 + 4^2$
 $r = \pm\sqrt{25}$
- 11) y value of 5 and radius of 10. Find the value of x.
 $x^2 = 10^2 - 5^2$
 $x = \pm\sqrt{75}$
- 12) y value of 5 and radius of 7. Find the value of x.
 $x^2 = 7^2 - 5^2$
 $x = \pm\sqrt{24}$
- 13) x value of 5 and y value of 4. Find the radius.
 $r^2 = 5^2 + 4^2$
 $r = \pm\sqrt{41}$
- 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 3 and y value of 2. Find the radius.
 $r^2 = 3^2 + 2^2$
 $r = \pm\sqrt{13}$

Answers

1. ± 4.47
2. ± 8.06
3. ± 9.17
4. ± 6.24
5. ± 3.61
6. ± 8.49
7. ± 5.66
8. ± 6.71
9. ± 6.40
10. ± 5.00
11. ± 8.66
12. ± 4.90
13. ± 6.40
14. ± 4.47
15. ± 3.61