



Solve each problem. Round to two decimal places.

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

Answers

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



Solve each problem. Round to two decimal places.

- 1) x value of 3 and y value of 5. Find the radius.
 $r^2 = 3^2 + 5^2$
 $r = \pm\sqrt{10}$
- 2) y value of 3 and radius of 7. Find the value of x.
 $x^2 = 7^2 - 3^2$
 $x = \pm\sqrt{40}$
- 3) x value of 2 and radius of 7. Find the value of y.
 $y^2 = 7^2 - 2^2$
 $y = \pm\sqrt{45}$
- 4) x value of 2 and radius of 8. Find the value of y.
 $y^2 = 8^2 - 2^2$
 $y = \pm\sqrt{60}$
- 5) x value of 5 and radius of 9. Find the value of y.
 $y^2 = 9^2 - 5^2$
 $y = \pm\sqrt{56}$
- 6) y value of 2 and radius of 8. Find the value of x.
 $x^2 = 8^2 - 2^2$
 $x = \pm\sqrt{60}$
- 7) x value of 2 and radius of 6. Find the value of y.
 $y^2 = 6^2 - 2^2$
 $y = \pm\sqrt{32}$
- 8) y value of 5 and radius of 9. Find the value of x.
 $x^2 = 9^2 - 5^2$
 $x = \pm\sqrt{56}$
- 9) x value of 3 and y value of 5. Find the radius.
 $r^2 = 3^2 + 5^2$
 $r = \pm\sqrt{7}$
- 10) x value of 2 and y value of 3. Find the radius.
 $r^2 = 2^2 + 3^2$
 $r = \pm\sqrt{10}$
- 11) y value of 2 and radius of 10. Find the value of x.
 $x^2 = 10^2 - 2^2$
 $x = \pm\sqrt{96}$
- 12) y value of 3 and radius of 6. Find the value of x.
 $x^2 = 6^2 - 3^2$
 $x = \pm\sqrt{27}$
- 13) x value of 2 and radius of 9. Find the value of y.
 $y^2 = 9^2 - 2^2$
 $y = \pm\sqrt{77}$
- 14) x value of 3 and y value of 4. Find the radius.
 $r^2 = 3^2 + 4^2$
 $r = \pm\sqrt{9}$
- 15) y value of 3 and radius of 8. Find the value of x.

Answers

1. ± 5.83
2. ± 6.32
3. ± 6.71
4. ± 7.75
5. ± 7.48
6. ± 7.75
7. ± 5.66
8. ± 7.48
9. ± 5.83
10. ± 3.61
11. ± 9.80
12. ± 5.20
13. ± 8.77
14. ± 5.00
15. ± 7.42