



Solve each problem. Round to two decimal places.

- 1) x value of 5 and radius of 10. Find the value of y.
- 2) x value of 4 and radius of 6. Find the value of y.
- 3) x value of 2 and y value of 5. Find the radius.
- 4) y value of 3 and x value of 6.32. Find the radius.
- 5) x value of 4 and y value of 2. Find the radius.
- 6) x value of 4 and y value of 2. Find the radius.
- 7) x value of 4 and radius of 9. Find the value of y.
- 8) y value of 5 and x value of 7.48. Find the radius.
- 9) y value of 3 and x value of 8.49. Find the radius.
- 10) y value of 5 and x value of 8.66. Find the radius.
- 11) x value of 2 and y value of 4. Find the radius.
- 12) x value of 3 and radius of 9. Find the value of y.
- 13) x value of 5 and y value of 4. Find the radius.
- 14) x value of 2 and radius of 7. Find the value of y.

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 5 and radius of 10. Find the value of y.
 $y^2 = 10^2 - 5^2$
 $y = \pm\sqrt{75}$
- 2) x value of 4 and radius of 6. Find the value of y.
 $y^2 = 6^2 - 4^2$
 $y = \pm\sqrt{20}$
- 3) x value of 2 and y value of 5. Find the radius.
 $r^2 = 2^2 + 5^2$
 $r = \pm\sqrt{9}$
- 4) y value of 3 and x value of 6.32. Find the radius.
 $x^2 = 7^2 - 3^2$
 $x = \pm\sqrt{40}$
- 5) x value of 4 and y value of 2. Find the radius.
 $r^2 = 4^2 + 2^2$
 $r = \pm\sqrt{10}$
- 6) x value of 4 and y value of 2. Find the radius.
 $r^2 = 4^2 + 2^2$
 $r = \pm\sqrt{7}$
- 7) x value of 4 and radius of 9. Find the value of y.
 $y^2 = 9^2 - 4^2$
 $y = \pm\sqrt{65}$
- 8) y value of 5 and x value of 7.48. Find the radius.
 $x^2 = 9^2 - 5^2$
 $x = \pm\sqrt{56}$
- 9) y value of 3 and x value of 8.49. Find the radius.
 $x^2 = 9^2 - 3^2$
 $x = \pm\sqrt{72}$
- 10) y value of 5 and x value of 8.66. Find the radius.
 $x^2 = 10^2 - 5^2$
 $x = \pm\sqrt{75}$
- 11) x value of 2 and y value of 4. Find the radius.
 $r^2 = 2^2 + 4^2$
 $r = \pm\sqrt{6}$
- 12) x value of 3 and radius of 9. Find the value of y.
 $y^2 = 9^2 - 3^2$
 $y = \pm\sqrt{72}$
- 13) x value of 5 and y value of 4. Find the radius.
 $r^2 = 5^2 + 4^2$
 $r = \pm\sqrt{7}$
- 14) x value of 2 and radius of 7. Find the value of y.
 $y^2 = 7^2 - 2^2$
 $y = \pm\sqrt{45}$

Answers

1. ±8.66
2. ±4.47
3. ±5.39
4. ±6.32
5. ±4.47
6. ±4.47
7. ±8.06
8. ±7.48
9. ±8.49
10. ±8.66
11. ±4.47
12. ±8.49
13. ±6.40
14. ±6.71
15. ±9.80