



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 2 and x value of 7.75. Find the radius.
- 3) y value of 3 and x value of 7.42. Find the radius.
- 4) x value of 2 and y value of 4. Find the radius.
- 5) x value of 3 and radius of 8. Find the value of y.
- 6) x value of 5 and radius of 6. Find the value of y.
- 7) y value of 5 and x value of 3.32. Find the radius.
- 8) x value of 4 and radius of 10. Find the value of y.
- 9) x value of 4 and radius of 8. Find the value of y.
- 10) x value of 2 and y value of 4. Find the radius.
- 11) x value of 3 and y value of 4. Find the radius.
- 12) y value of 3 and x value of 9.54. Find the radius.
- 13) x value of 2 and y value of 5. 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 y value of 5. Find the radius.
 $r^2 = 3^2 + 5^2$
 $r = \pm\sqrt{34}$
- 2) y value of 2 and x value of 7.75. Find the radius.
 $x^2 = 8^2 - 2^2$
 $x = \pm\sqrt{60}$
- 3) y value of 3 and x value of 7.42. Find the radius.
 $x^2 = 8^2 - 3^2$
 $x = \pm\sqrt{55}$
- 4) x value of 2 and y value of 4. Find the radius.
 $r^2 = 2^2 + 4^2$
 $r = \pm\sqrt{20}$
- 5) x value of 3 and radius of 8. Find the value of y.
 $y^2 = 8^2 - 3^2$
 $y = \pm\sqrt{55}$
- 6) x value of 5 and radius of 6. Find the value of y.
 $y^2 = 6^2 - 5^2$
 $y = \pm\sqrt{11}$
- 7) y value of 5 and x value of 3.32. Find the radius.
 $x^2 = 6^2 - 5^2$
 $x = \pm\sqrt{11}$
- 8) x value of 4 and radius of 10. Find the value of y.
 $y^2 = 10^2 - 4^2$
 $y = \pm\sqrt{84}$
- 9) x value of 4 and radius of 8. Find the value of y.
 $y^2 = 8^2 - 4^2$
 $y = \pm\sqrt{48}$
- 10) x value of 2 and y value of 4. Find the radius.
 $r^2 = 2^2 + 4^2$
 $r = \pm\sqrt{20}$
- 11) x value of 3 and y value of 4. Find the radius.
 $r^2 = 3^2 + 4^2$
 $r = \pm\sqrt{25}$
- 12) y value of 3 and x value of 9.54. Find the radius.
 $x^2 = 10^2 - 3^2$
 $x = \pm\sqrt{91}$
- 13) x value of 2 and y value of 5. Find the radius.
 $r^2 = 2^2 + 5^2$
 $r = \pm\sqrt{29}$

Answers

1. ±5.83
2. ±7.75
3. ±7.42
4. ±4.47
5. ±7.42
6. ±3.32
7. ±3.32
8. ±9.17
9. ±6.93
10. ±4.47
11. ±5.00
12. ±9.54
13. ±5.39