

**Solve each problem. Round to two decimal places.****Answers**

- 1) y value of 2 and x value of 7.75. Find the radius.
- 2) x value of 3 and radius of 6. Find the value of y.
- 3) x value of 2 and y value of 3. Find the radius.
- 4) x value of 3 and radius of 6. Find the value of y.
- 5) x value of 2 and y value of 2. Find the radius.
- 6) x value of 5 and radius of 10. Find the value of y.
- 7) y value of 4 and x value of 4.47. Find the radius.
- 8) y value of 3 and x value of 6.32. Find the radius.
- 9) x value of 2 and radius of 6. Find the value of y.
- 10) x value of 2 and y value of 3. Find the radius.
- 11) x value of 4 and y value of 3. Find the radius.
- 12) x value of 5 and y value of 3. Find the radius.
- 13) x value of 2 and y value of 2. 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) y value of 2 and x value of 7.75. Find the radius.
 $x^2 = 8^2 - 2^2$
 $x = \pm\sqrt{60}$
- 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) x value of 2 and y value of 3. Find the radius.
 $r^2 = 2^2 + 3^2$
 $r = \pm\sqrt{10}$
- 4) x value of 3 and radius of 6. Find the value of y.
 $y^2 = 6^2 - 3^2$
 $y = \pm\sqrt{27}$
- 5) x value of 2 and y value of 2. Find the radius.
 $r^2 = 2^2 + 2^2$
 $r = \pm\sqrt{8}$
- 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) y value of 4 and x value of 4.47. Find the radius.
 $x^2 = 6^2 - 4^2$
 $x = \pm\sqrt{20}$
- 8) y value of 3 and x value of 6.32. Find the radius.
 $x^2 = 7^2 - 3^2$
 $x = \pm\sqrt{40}$
- 9) x value of 2 and radius of 6. Find the value of y.
 $y^2 = 6^2 - 2^2$
 $y = \pm\sqrt{32}$
- 10) x value of 2 and y value of 3. Find the radius.
 $r^2 = 2^2 + 3^2$
 $r = \pm\sqrt{9}$
- 11) x value of 4 and y value of 3. Find the radius.
 $r^2 = 4^2 + 3^2$
 $r = \pm\sqrt{9}$
- 12) x value of 5 and y value of 3. Find the radius.
 $r^2 = 5^2 + 3^2$
 $r = \pm\sqrt{7}$
- 13) x value of 2 and y value of 2. Find the radius.
 $r^2 = 2^2 + 2^2$
 $r = \pm\sqrt{8}$

Answers

1. **± 7.75**
2. **± 5.20**
3. **± 3.61**
4. **± 5.20**
5. **± 2.83**
6. **± 8.66**
7. **± 4.47**
8. **± 6.32**
9. **± 5.66**
10. **± 3.61**
11. **± 5.00**
12. **± 5.83**
13. **± 2.83**