

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

- 1) x value of 4 and radius of 6. Find the value of y.
- 2) x value of 3 and radius of 7. Find the value of y.
- 3) x value of 3 and y value of 2. Find the radius.
- 4) y value of 2 and x value of 8.77. Find the radius.
- 5) x value of 4 and y value of 2. Find the radius.
- 6) y value of 3 and x value of 6.32. Find the radius.
- 7) x value of 5 and radius of 9. Find the value of y.
- 8) x value of 3 and radius of 8. Find the value of y.
- 9) y value of 4 and x value of 9.17. Find the radius.
- 10) x value of 3 and y value of 2. Find the radius.
- 11) x value of 4 and radius of 6. Find the value of y.
- 12) y value of 3 and x value of 5.20. Find the radius.
- 13) y value of 2 and x value of 6.71. Find the radius.

1. _____
2. _____
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4. _____
5. _____
6. _____
7. _____
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9. _____
10. _____
11. _____
12. _____
13. _____



Solve each problem. Round to two decimal places.

- 1) x value of 4 and radius of 6. Find the value of y.
 $y^2 = 6^2 - 4^2$
 $y = \pm\sqrt{20}$
- 2) x value of 3 and radius of 7. Find the value of y.
 $y^2 = 7^2 - 3^2$
 $y = \pm\sqrt{40}$
- 3) x value of 3 and y value of 2. Find the radius.
 $r^2 = 3^2 + 2^2$
 $r = \pm\sqrt{7}$
- 4) y value of 2 and x value of 8.77. Find the radius.
 $x^2 = 9^2 - 2^2$
 $x = \pm\sqrt{77}$
- 5) x value of 4 and y value of 2. Find the radius.
 $r^2 = 4^2 + 2^2$
 $r = \pm\sqrt{8}$
- 6) y value of 3 and x value of 6.32. Find the radius.
 $x^2 = 7^2 - 3^2$
 $x = \pm\sqrt{40}$
- 7) x value of 5 and radius of 9. Find the value of y.
 $y^2 = 9^2 - 5^2$
 $y = \pm\sqrt{56}$
- 8) x value of 3 and radius of 8. Find the value of y.
 $y^2 = 8^2 - 3^2$
 $y = \pm\sqrt{55}$
- 9) y value of 4 and x value of 9.17. Find the radius.
 $x^2 = 10^2 - 4^2$
 $x = \pm\sqrt{84}$
- 10) x value of 3 and y value of 2. Find the radius.
 $r^2 = 3^2 + 2^2$
 $r = \pm\sqrt{6}$
- 11) x value of 4 and radius of 6. Find the value of y.
 $y^2 = 6^2 - 4^2$
 $y = \pm\sqrt{20}$
- 12) y value of 3 and x value of 5.20. Find the radius.
 $x^2 = 6^2 - 3^2$
 $x = \pm\sqrt{27}$
- 13) y value of 2 and x value of 6.71. Find the radius.
 $x^2 = 7^2 - 2^2$
 $x = \pm\sqrt{45}$

Answers

1. **± 4.47**
2. **± 6.32**
3. **± 3.61**
4. **± 8.77**
5. **± 4.47**
6. **± 6.32**
7. **± 7.48**
8. **± 7.42**
9. **± 9.17**
10. **± 3.61**
11. **± 4.47**
12. **± 5.20**
13. **± 6.71**