



Solve each problem. Round to two decimal places.

Answers

- 1) x value of 3 and radius of 8. Find the value of y.
- 2) y value of 4 and x value of 5.74. Find the radius.
- 3) y value of 4 and x value of 8.06. Find the radius.
- 4) x value of 5 and y value of 2. Find the radius.
- 5) y value of 4 and x value of 5.74. Find the radius.
- 6) x value of 5 and radius of 7. Find the value of y.
- 7) y value of 4 and x value of 4.47. Find the radius.
- 8) x value of 3 and radius of 8. Find the value of y.
- 9) x value of 3 and radius of 8. Find the value of y.
- 10) x value of 3 and radius of 6. Find the value of y.
- 11) y value of 5 and x value of 3.32. Find the radius.
- 12) y value of 3 and x value of 9.54. Find the radius.
- 13) x value of 4 and radius of 8. Find the value of y.

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
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- 11. \_\_\_\_\_
- 12. \_\_\_\_\_
- 13. \_\_\_\_\_



Solve each problem. Round to two decimal places.

- 1) x value of 3 and radius of 8. Find the value of y.  
 $y^2 = 8^2 - 3^2$   
 $y = \pm\sqrt{55}$
- 2) y value of 4 and x value of 5.74. Find the radius.  
 $x^2 = 7^2 - 4^2$   
 $x = \pm\sqrt{33}$
- 3) y value of 4 and x value of 8.06. Find the radius.  
 $x^2 = 9^2 - 4^2$   
 $x = \pm\sqrt{65}$
- 4) x value of 5 and y value of 2. Find the radius.  
 $r^2 = 5^2 + 2^2$   
 $r = \pm\sqrt{9}$
- 5) y value of 4 and x value of 5.74. Find the radius.  
 $x^2 = 7^2 - 4^2$   
 $x = \pm\sqrt{33}$
- 6) x value of 5 and radius of 7. Find the value of y.  
 $y^2 = 7^2 - 5^2$   
 $y = \pm\sqrt{24}$
- 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) x value of 3 and radius of 8. Find the value of y.  
 $y^2 = 8^2 - 3^2$   
 $y = \pm\sqrt{55}$
- 9) x value of 3 and radius of 8. Find the value of y.  
 $y^2 = 8^2 - 3^2$   
 $y = \pm\sqrt{55}$
- 10) x value of 3 and radius of 6. Find the value of y.  
 $y^2 = 6^2 - 3^2$   
 $y = \pm\sqrt{27}$
- 11) y value of 5 and x value of 3.32. Find the radius.  
 $x^2 = 6^2 - 5^2$   
 $x = \pm\sqrt{11}$
- 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 4 and radius of 8. Find the value of y.  
 $y^2 = 8^2 - 4^2$   
 $y = \pm\sqrt{48}$

Answers

1. ±7.42
2. ±5.74
3. ±8.06
4. ±5.39
5. ±5.74
6. ±4.90
7. ±4.47
8. ±7.42
9. ±7.42
10. ±5.20
11. ±3.32
12. ±9.54
13. ±6.93