



Solve each problem. Round to two decimal places.

Answers

- 1) x value of 3 and radius of 8. Find the value of y.
- 2) x value of 5 and radius of 9. Find the value of y.
- 3) x value of 3 and radius of 7. Find the value of y.
- 4) y value of 2 and x value of 6.71. Find the radius.
- 5) x value of 3 and radius of 9. Find the value of y.
- 6) x value of 3 and radius of 7. Find the value of y.
- 7) y value of 2 and x value of 7.75. Find the radius.
- 8) x value of 4 and y value of 3. Find the radius.
- 9) x value of 4 and radius of 8. Find the value of y.
- 10) y value of 3 and x value of 9.54. Find the radius.
- 11) y value of 3 and x value of 5.20. Find the radius.
- 12) x value of 3 and radius of 10. Find the value of y.
- 13) x value of 3 and radius of 6. Find the value of y.

- 1. \_\_\_\_\_
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- 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) x value of 5 and radius of 9. Find the value of y.  
 $y^2 = 9^2 - 5^2$   
 $y = \pm\sqrt{56}$
- 3) x value of 3 and radius of 7. Find the value of y.  
 $y^2 = 7^2 - 3^2$   
 $y = \pm\sqrt{40}$
- 4) y value of 2 and x value of 6.71. Find the radius.  
 $x^2 = 7^2 - 2^2$   
 $x = \pm\sqrt{45}$
- 5) x value of 3 and radius of 9. Find the value of y.  
 $y^2 = 9^2 - 3^2$   
 $y = \pm\sqrt{72}$
- 6) x value of 3 and radius of 7. Find the value of y.  
 $y^2 = 7^2 - 3^2$   
 $y = \pm\sqrt{40}$
- 7) y value of 2 and x value of 7.75. Find the radius.  
 $x^2 = 8^2 - 2^2$   
 $x = \pm\sqrt{60}$
- 8) x value of 4 and y value of 3. Find the radius.  
 $r^2 = 4^2 + 3^2$   
 $r = \pm\sqrt{6}$
- 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) y value of 3 and x value of 9.54. Find the radius.  
 $x^2 = 10^2 - 3^2$   
 $x = \pm\sqrt{91}$
- 11) y value of 3 and x value of 5.20. Find the radius.  
 $x^2 = 6^2 - 3^2$   
 $x = \pm\sqrt{27}$
- 12) x value of 3 and radius of 10. Find the value of y.  
 $y^2 = 10^2 - 3^2$   
 $y = \pm\sqrt{91}$
- 13) x value of 3 and radius of 6. Find the value of y.  
 $y^2 = 6^2 - 3^2$   
 $y = \pm\sqrt{27}$

Answers

1. ±7.42
2. ±7.48
3. ±6.32
4. ±6.71
5. ±8.49
6. ±6.32
7. ±7.75
8. ±5.00
9. ±6.93
10. ±9.54
11. ±5.20
12. ±9.54
13. ±5.20