



Solve each problem. Round to two decimal places.

Answers

- 1) x value of 3 and radius of 7. Find the value of y.
- 2) x value of 3 and radius of 6. Find the value of y.
- 3) y value of 3 and x value of 8.49. Find the radius.
- 4) x value of 3 and y value of 2. Find the radius.
- 5) y value of 3 and x value of 6.32. Find the radius.
- 6) x value of 4 and radius of 6. Find the value of y.
- 7) x value of 4 and radius of 7. Find the value of y.
- 8) y value of 4 and x value of 8.06. Find the radius.
- 9) x value of 5 and radius of 8. Find the value of y.
- 10) x value of 4 and radius of 10. Find the value of y.
- 11) x value of 3 and radius of 9. Find the value of y.
- 12) y value of 2 and x value of 8.77. Find the radius.
- 13) y value of 2 and x value of 9.80. Find the radius.

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Solve each problem. Round to two decimal places.

- 1) x value of 3 and radius of 7. Find the value of y.
 $y^2 = 7^2 - 3^2$
 $y = \pm\sqrt{40}$
- 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) y value of 3 and x value of 8.49. Find the radius.
 $x^2 = 9^2 - 3^2$
 $x = \pm\sqrt{72}$
- 4) x value of 3 and y value of 2. Find the radius.
 $r^2 = 3^2 + 2^2$
 $r = \pm\sqrt{9}$
- 5) y value of 3 and x value of 6.32. Find the radius.
 $x^2 = 7^2 - 3^2$
 $x = \pm\sqrt{40}$
- 6) x value of 4 and radius of 6. Find the value of y.
 $y^2 = 6^2 - 4^2$
 $y = \pm\sqrt{20}$
- 7) x value of 4 and radius of 7. Find the value of y.
 $y^2 = 7^2 - 4^2$
 $y = \pm\sqrt{33}$
- 8) y value of 4 and x value of 8.06. Find the radius.
 $x^2 = 9^2 - 4^2$
 $x = \pm\sqrt{65}$
- 9) x value of 5 and radius of 8. Find the value of y.
 $y^2 = 8^2 - 5^2$
 $y = \pm\sqrt{39}$
- 10) x value of 4 and radius of 10. Find the value of y.
 $y^2 = 10^2 - 4^2$
 $y = \pm\sqrt{84}$
- 11) x value of 3 and radius of 9. Find the value of y.
 $y^2 = 9^2 - 3^2$
 $y = \pm\sqrt{72}$
- 12) y value of 2 and x value of 8.77. Find the radius.
 $x^2 = 9^2 - 2^2$
 $x = \pm\sqrt{77}$
- 13) y value of 2 and x value of 9.80. Find the radius.
 $x^2 = 10^2 - 2^2$
 $x = \pm\sqrt{96}$

Answers

1. **± 6.32**
2. **± 5.20**
3. **± 8.49**
4. **± 3.61**
5. **± 6.32**
6. **± 4.47**
7. **± 5.74**
8. **± 8.06**
9. **± 6.24**
10. **± 9.17**
11. **± 8.49**
12. **± 8.77**
13. **± 9.80**

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

- 1) x value of 3 and radius of 9. Find the value of y.
- 2) x value of 3 and y value of 2. Find the radius.
- 3) x value of 2 and y value of 2. Find the radius.
- 4) x value of 4 and radius of 9. Find the value of y.
- 5) x value of 4 and y value of 2. Find the radius.
- 6) y value of 4 and x value of 8.06. Find the radius.
- 7) x value of 3 and radius of 6. Find the value of y.
- 8) x value of 3 and y value of 5. Find the radius.
- 9) x value of 2 and radius of 10. Find the value of y.
- 10) x value of 4 and radius of 7. Find the value of y.
- 11) x value of 3 and radius of 8. Find the value of y.
- 12) x value of 3 and y value of 5. Find the radius.
- 13) y value of 2 and x value of 5.66. Find the radius.

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Solve each problem. Round to two decimal places.

- 1) x value of 3 and radius of 9. Find the value of y.
 $y^2 = 9^2 - 3^2$
 $y = \pm\sqrt{72}$
- 2) x value of 3 and y value of 2. Find the radius.
 $r^2 = 3^2 + 2^2$
 $r = \pm\sqrt{13}$
- 3) x value of 2 and y value of 2. Find the radius.
 $r^2 = 2^2 + 2^2$
 $r = \pm\sqrt{8}$
- 4) x value of 4 and radius of 9. Find the value of y.
 $y^2 = 9^2 - 4^2$
 $y = \pm\sqrt{65}$
- 5) x value of 4 and y value of 2. Find the radius.
 $r^2 = 4^2 + 2^2$
 $r = \pm\sqrt{20}$
- 6) y value of 4 and x value of 8.06. Find the radius.
 $x^2 = 9^2 - 4^2$
 $x = \pm\sqrt{65}$
- 7) x value of 3 and radius of 6. Find the value of y.
 $y^2 = 6^2 - 3^2$
 $y = \pm\sqrt{27}$
- 8) x value of 3 and y value of 5. Find the radius.
 $r^2 = 3^2 + 5^2$
 $r = \pm\sqrt{34}$
- 9) x value of 2 and radius of 10. Find the value of y.
 $y^2 = 10^2 - 2^2$
 $y = \pm\sqrt{96}$
- 10) x value of 4 and radius of 7. Find the value of y.
 $y^2 = 7^2 - 4^2$
 $y = \pm\sqrt{33}$
- 11) x value of 3 and radius of 8. Find the value of y.
 $y^2 = 8^2 - 3^2$
 $y = \pm\sqrt{55}$
- 12) x value of 3 and y value of 5. Find the radius.
 $r^2 = 3^2 + 5^2$
 $r = \pm\sqrt{34}$
- 13) y value of 2 and x value of 5.66. Find the radius.
 $x^2 = 6^2 - 2^2$
 $x = \pm\sqrt{32}$

Answers

1. **± 8.49**
2. **± 3.61**
3. **± 2.83**
4. **± 8.06**
5. **± 4.47**
6. **± 8.06**
7. **± 5.20**
8. **± 5.83**
9. **± 9.80**
10. **± 5.74**
11. **± 7.42**
12. **± 5.83**
13. **± 5.66**



Solve each problem. Round to two decimal places.

Answers

- 1) x value of 3 and y value of 2. Find the radius.
- 2) y value of 2 and x value of 5.66. Find the radius.
- 3) y value of 3 and x value of 7.42. Find the radius.
- 4) x value of 4 and y value of 5. Find the radius.
- 5) y value of 2 and x value of 6.71. Find the radius.
- 6) y value of 2 and x value of 9.80. Find the radius.
- 7) x value of 3 and y value of 4. Find the radius.
- 8) y value of 2 and x value of 5.66. Find the radius.
- 9) y value of 3 and x value of 8.49. Find the radius.
- 10) y value of 5 and x value of 6.24. Find the radius.
- 11) x value of 3 and radius of 8. Find the value of y.
- 12) x value of 4 and y value of 2. Find the radius.
- 13) x value of 3 and radius of 10. Find the value of y.

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Solve each problem. Round to two decimal places.

- 1) x value of 3 and y value of 2. Find the radius.
 $r^2 = 3^2 + 2^2$
 $r = \pm\sqrt{6}$
- 2) y value of 2 and x value of 5.66. Find the radius.
 $x^2 = 6^2 - 2^2$
 $x = \pm\sqrt{32}$
- 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 4 and y value of 5. Find the radius.
 $r^2 = 4^2 + 5^2$
 $r = \pm\sqrt{7}$
- 5) y value of 2 and x value of 6.71. Find the radius.
 $x^2 = 7^2 - 2^2$
 $x = \pm\sqrt{45}$
- 6) y value of 2 and x value of 9.80. Find the radius.
 $x^2 = 10^2 - 2^2$
 $x = \pm\sqrt{96}$
- 7) x value of 3 and y value of 4. Find the radius.
 $r^2 = 3^2 + 4^2$
 $r = \pm\sqrt{7}$
- 8) y value of 2 and x value of 5.66. Find the radius.
 $x^2 = 6^2 - 2^2$
 $x = \pm\sqrt{32}$
- 9) y value of 3 and x value of 8.49. Find the radius.
 $x^2 = 9^2 - 3^2$
 $x = \pm\sqrt{72}$
- 10) y value of 5 and x value of 6.24. Find the radius.
 $x^2 = 8^2 - 5^2$
 $x = \pm\sqrt{39}$
- 11) x value of 3 and radius of 8. Find the value of y.
 $y^2 = 8^2 - 3^2$
 $y = \pm\sqrt{55}$
- 12) x value of 4 and y value of 2. Find the radius.
 $r^2 = 4^2 + 2^2$
 $r = \pm\sqrt{6}$
- 13) x value of 3 and radius of 10. Find the value of y.
 $y^2 = 10^2 - 3^2$
 $y = \pm\sqrt{91}$

Answers

1. **± 3.61**
2. **± 5.66**
3. **± 7.42**
4. **± 6.40**
5. **± 6.71**
6. **± 9.80**
7. **± 5.00**
8. **± 5.66**
9. **± 8.49**
10. **± 6.24**
11. **± 7.42**
12. **± 4.47**
13. **± 9.54**

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

- 1) x value of 3 and radius of 6. Find the value of y.
- 2) x value of 2 and y value of 3. Find the radius.
- 3) x value of 4 and radius of 7. Find the value of y.
- 4) x value of 4 and radius of 10. Find the value of y.
- 5) x value of 4 and y value of 2. Find the radius.
- 6) x value of 2 and radius of 8. Find the value of y.
- 7) x value of 2 and radius of 8. Find the value of y.
- 8) x value of 5 and y value of 4. Find the radius.
- 9) x value of 5 and y value of 3. Find the radius.
- 10) x value of 2 and y value of 3. Find the radius.
- 11) x value of 3 and radius of 9. Find the value of y.
- 12) x value of 4 and y value of 5. Find the radius.
- 13) y value of 5 and x value of 4.90. Find the radius.

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Solve each problem. Round to two decimal places.

- 1) x value of 3 and radius of 6. Find the value of y.
 $y^2 = 6^2 - 3^2$
 $y = \pm\sqrt{27}$
- 2) x value of 2 and y value of 3. Find the radius.
 $r^2 = 2^2 + 3^2$
 $r = \pm\sqrt{9}$
- 3) x value of 4 and radius of 7. Find the value of y.
 $y^2 = 7^2 - 4^2$
 $y = \pm\sqrt{33}$
- 4) x value of 4 and radius of 10. Find the value of y.
 $y^2 = 10^2 - 4^2$
 $y = \pm\sqrt{84}$
- 5) x value of 4 and y value of 2. Find the radius.
 $r^2 = 4^2 + 2^2$
 $r = \pm\sqrt{7}$
- 6) x value of 2 and radius of 8. Find the value of y.
 $y^2 = 8^2 - 2^2$
 $y = \pm\sqrt{60}$
- 7) x value of 2 and radius of 8. Find the value of y.
 $y^2 = 8^2 - 2^2$
 $y = \pm\sqrt{60}$
- 8) x value of 5 and y value of 4. Find the radius.
 $r^2 = 5^2 + 4^2$
 $r = \pm\sqrt{10}$
- 9) x value of 5 and y value of 3. Find the radius.
 $r^2 = 5^2 + 3^2$
 $r = \pm\sqrt{8}$
- 10) x value of 2 and y value of 3. Find the radius.
 $r^2 = 2^2 + 3^2$
 $r = \pm\sqrt{8}$
- 11) x value of 3 and radius of 9. Find the value of y.
 $y^2 = 9^2 - 3^2$
 $y = \pm\sqrt{72}$
- 12) x value of 4 and y value of 5. Find the radius.
 $r^2 = 4^2 + 5^2$
 $r = \pm\sqrt{7}$
- 13) y value of 5 and x value of 4.90. Find the radius.
 $x^2 = 7^2 - 5^2$
 $x = \pm\sqrt{24}$

Answers

1. **± 5.20**
2. **± 3.61**
3. **± 5.74**
4. **± 9.17**
5. **± 4.47**
6. **± 7.75**
7. **± 7.75**
8. **± 6.40**
9. **± 5.83**
10. **± 3.61**
11. **± 8.49**
12. **± 6.40**
13. **± 4.90**



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.

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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**



Solve each problem. Round to two decimal places.

Answers

- 1) x value of 2 and y value of 4. Find the radius.
- 2) x value of 5 and radius of 6. Find the value of y.
- 3) x value of 3 and radius of 7. Find the value of y.
- 4) y value of 5 and x value of 4.90. Find the radius.
- 5) y value of 3 and x value of 6.32. Find the radius.
- 6) x value of 4 and radius of 8. Find the value of y.
- 7) x value of 5 and radius of 8. Find the value of y.
- 8) x value of 4 and radius of 9. Find the value of y.
- 9) x value of 3 and y value of 5. Find the radius.
- 10) x value of 5 and radius of 6. Find the value of y.
- 11) x value of 5 and radius of 9. Find the value of y.
- 12) x value of 3 and radius of 8. Find the value of y.
- 13) x value of 4 and y value of 5. Find the radius.

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Solve each problem. Round to two decimal places.

- 1) x value of 2 and y value of 4. Find the radius.
 $r^2 = 2^2 + 4^2$
 $r = \pm\sqrt{20}$
- 2) x value of 5 and radius of 6. Find the value of y.
 $y^2 = 6^2 - 5^2$
 $y = \pm\sqrt{11}$
- 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 5 and x value of 4.90. Find the radius.
 $x^2 = 7^2 - 5^2$
 $x = \pm\sqrt{24}$
- 5) y value of 3 and x value of 6.32. Find the radius.
 $x^2 = 7^2 - 3^2$
 $x = \pm\sqrt{40}$
- 6) x value of 4 and radius of 8. Find the value of y.
 $y^2 = 8^2 - 4^2$
 $y = \pm\sqrt{48}$
- 7) x value of 5 and radius of 8. Find the value of y.
 $y^2 = 8^2 - 5^2$
 $y = \pm\sqrt{39}$
- 8) x value of 4 and radius of 9. Find the value of y.
 $y^2 = 9^2 - 4^2$
 $y = \pm\sqrt{65}$
- 9) x value of 3 and y value of 5. Find the radius.
 $r^2 = 3^2 + 5^2$
 $r = \pm\sqrt{34}$
- 10) x value of 5 and radius of 6. Find the value of y.
 $y^2 = 6^2 - 5^2$
 $y = \pm\sqrt{11}$
- 11) x value of 5 and radius of 9. Find the value of y.
 $y^2 = 9^2 - 5^2$
 $y = \pm\sqrt{56}$
- 12) x value of 3 and radius of 8. Find the value of y.
 $y^2 = 8^2 - 3^2$
 $y = \pm\sqrt{55}$
- 13) x value of 4 and y value of 5. Find the radius.
 $r^2 = 4^2 + 5^2$
 $r = \pm\sqrt{41}$

Answers

1. **± 4.47**
2. **± 3.32**
3. **± 6.32**
4. **± 4.90**
5. **± 6.32**
6. **± 6.93**
7. **± 6.24**
8. **± 8.06**
9. **± 5.83**
10. **± 3.32**
11. **± 7.48**
12. **± 7.42**
13. **± 6.40**

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

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

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Solve each problem. Round to two decimal places.

- 1) y value of 2 and x value of 6.71. Find the radius.
 $x^2 = 7^2 - 2^2$
 $x = \pm\sqrt{45}$
- 2) x value of 2 and y value of 2. Find the radius.
 $r^2 = 2^2 + 2^2$
 $r = \pm\sqrt{10}$
- 3) x value of 5 and y value of 3. Find the radius.
 $r^2 = 5^2 + 3^2$
 $r = \pm\sqrt{6}$
- 4) x value of 5 and radius of 6. Find the value of y.
 $y^2 = 6^2 - 5^2$
 $y = \pm\sqrt{11}$
- 5) x value of 3 and y value of 2. Find the radius.
 $r^2 = 3^2 + 2^2$
 $r = \pm\sqrt{10}$
- 6) x value of 4 and y value of 3. Find the radius.
 $r^2 = 4^2 + 3^2$
 $r = \pm\sqrt{9}$
- 7) x value of 2 and y value of 2. Find the radius.
 $r^2 = 2^2 + 2^2$
 $r = \pm\sqrt{7}$
- 8) x value of 2 and radius of 9. Find the value of y.
 $y^2 = 9^2 - 2^2$
 $y = \pm\sqrt{77}$
- 9) x value of 3 and y value of 3. Find the radius.
 $r^2 = 3^2 + 3^2$
 $r = \pm\sqrt{6}$
- 10) x value of 4 and y value of 3. Find the radius.
 $r^2 = 4^2 + 3^2$
 $r = \pm\sqrt{6}$
- 11) x value of 2 and y value of 5. Find the radius.
 $r^2 = 2^2 + 5^2$
 $r = \pm\sqrt{8}$
- 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 3 and y value of 4. Find the radius.
 $r^2 = 3^2 + 4^2$
 $r = \pm\sqrt{10}$

Answers

1. **± 6.71**
2. **± 2.83**
3. **± 5.83**
4. **± 3.32**
5. **± 3.61**
6. **± 5.00**
7. **± 2.83**
8. **± 8.77**
9. **± 4.24**
10. **± 5.00**
11. **± 5.39**
12. **± 9.54**
13. **± 5.00**

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

- 1) x value of 5 and y value of 4. Find the radius.
- 2) x value of 4 and radius of 7. Find the value of y.
- 3) y value of 3 and x value of 7.42. Find the radius.
- 4) x value of 4 and y value of 3. Find the radius.
- 5) x value of 5 and radius of 9. Find the value of y.
- 6) x value of 5 and radius of 9. Find the value of y.
- 7) x value of 2 and radius of 6. Find the value of y.
- 8) x value of 2 and radius of 8. Find the value of y.
- 9) x value of 5 and y value of 4. Find the radius.
- 10) x value of 5 and radius of 8. Find the value of y.
- 11) x value of 4 and radius of 6. Find the value of y.
- 12) x value of 2 and radius of 6. Find the value of y.
- 13) x value of 4 and radius of 9. Find the value of y.

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Solve each problem. Round to two decimal places.

- 1) x value of 5 and y value of 4. Find the radius.
 $r^2 = 5^2 + 4^2$
 $r = \pm\sqrt{41}$
- 2) x value of 4 and radius of 7. Find the value of y.
 $y^2 = 7^2 - 4^2$
 $y = \pm\sqrt{33}$
- 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 4 and y value of 3. Find the radius.
 $r^2 = 4^2 + 3^2$
 $r = \pm\sqrt{10}$
- 5) x value of 5 and radius of 9. Find the value of y.
 $y^2 = 9^2 - 5^2$
 $y = \pm\sqrt{56}$
- 6) x value of 5 and radius of 9. Find the value of y.
 $y^2 = 9^2 - 5^2$
 $y = \pm\sqrt{56}$
- 7) x value of 2 and radius of 6. Find the value of y.
 $y^2 = 6^2 - 2^2$
 $y = \pm\sqrt{32}$
- 8) x value of 2 and radius of 8. Find the value of y.
 $y^2 = 8^2 - 2^2$
 $y = \pm\sqrt{60}$
- 9) x value of 5 and y value of 4. Find the radius.
 $r^2 = 5^2 + 4^2$
 $r = \pm\sqrt{41}$
- 10) x value of 5 and radius of 8. Find the value of y.
 $y^2 = 8^2 - 5^2$
 $y = \pm\sqrt{39}$
- 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) x value of 2 and radius of 6. Find the value of y.
 $y^2 = 6^2 - 2^2$
 $y = \pm\sqrt{32}$
- 13) x value of 4 and radius of 9. Find the value of y.
 $y^2 = 9^2 - 4^2$
 $y = \pm\sqrt{65}$

Answers

1. **± 6.40**
2. **± 5.74**
3. **± 7.42**
4. **± 5.00**
5. **± 7.48**
6. **± 7.48**
7. **± 5.66**
8. **± 7.75**
9. **± 6.40**
10. **± 6.24**
11. **± 4.47**
12. **± 5.66**
13. **± 8.06**

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

- 1) y value of 3 and x value of 6.32. Find the radius.
- 2) y value of 3 and x value of 9.54. Find the radius.
- 3) x value of 4 and radius of 10. Find the value of y.
- 4) y value of 4 and x value of 9.17. Find the radius.
- 5) y value of 5 and x value of 3.32. Find the radius.
- 6) y value of 2 and x value of 7.75. Find the radius.
- 7) y value of 4 and x value of 8.06. Find the radius.
- 8) x value of 3 and radius of 6. Find the value of y.
- 9) x value of 5 and y value of 3. Find the radius.
- 10) x value of 2 and radius of 10. Find the value of y.
- 11) y value of 4 and x value of 6.93. Find the radius.
- 12) x value of 4 and radius of 7. Find the value of y.
- 13) y value of 3 and x value of 8.49. 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 3 and x value of 6.32. Find the radius.
 $x^2 = 7^2 - 3^2$
 $x = \pm\sqrt{40}$
- 2) y value of 3 and x value of 9.54. Find the radius.
 $x^2 = 10^2 - 3^2$
 $x = \pm\sqrt{91}$
- 3) x value of 4 and radius of 10. Find the value of y.
 $y^2 = 10^2 - 4^2$
 $y = \pm\sqrt{84}$
- 4) y value of 4 and x value of 9.17. Find the radius.
 $x^2 = 10^2 - 4^2$
 $x = \pm\sqrt{84}$
- 5) y value of 5 and x value of 3.32. Find the radius.
 $x^2 = 6^2 - 5^2$
 $x = \pm\sqrt{11}$
- 6) y value of 2 and x value of 7.75. Find the radius.
 $x^2 = 8^2 - 2^2$
 $x = \pm\sqrt{60}$
- 7) y value of 4 and x value of 8.06. Find the radius.
 $x^2 = 9^2 - 4^2$
 $x = \pm\sqrt{65}$
- 8) x value of 3 and radius of 6. Find the value of y.
 $y^2 = 6^2 - 3^2$
 $y = \pm\sqrt{27}$
- 9) x value of 5 and y value of 3. Find the radius.
 $r^2 = 5^2 + 3^2$
 $r = \pm\sqrt{10}$
- 10) x value of 2 and radius of 10. Find the value of y.
 $y^2 = 10^2 - 2^2$
 $y = \pm\sqrt{96}$
- 11) y value of 4 and x value of 6.93. Find the radius.
 $x^2 = 8^2 - 4^2$
 $x = \pm\sqrt{48}$
- 12) x value of 4 and radius of 7. Find the value of y.
 $y^2 = 7^2 - 4^2$
 $y = \pm\sqrt{33}$
- 13) y value of 3 and x value of 8.49. Find the radius.
 $x^2 = 9^2 - 3^2$
 $x = \pm\sqrt{72}$

Answers

1. **± 6.32**
2. **± 9.54**
3. **± 9.17**
4. **± 9.17**
5. **± 3.32**
6. **± 7.75**
7. **± 8.06**
8. **± 5.20**
9. **± 5.83**
10. **± 9.80**
11. **± 6.93**
12. **± 5.74**
13. **± 8.49**

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

- 1) x value of 2 and y value of 5. Find the radius.
- 2) x value of 3 and y value of 5. Find the radius.
- 3) y value of 5 and x value of 7.48. Find the radius.
- 4) x value of 4 and y value of 3. Find the radius.
- 5) x value of 4 and y value of 3. Find the radius.
- 6) x value of 2 and y value of 3. Find the radius.
- 7) x value of 5 and y value of 5. Find the radius.
- 8) x value of 5 and y value of 5. Find the radius.
- 9) y value of 4 and x value of 5.74. Find the radius.
- 10) x value of 2 and radius of 8. Find the value of y.
- 11) x value of 2 and radius of 8. Find the value of y.
- 12) x value of 3 and radius of 7. Find the value of y.
- 13) x value of 4 and radius of 9. Find the value of y.

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 2 and y value of 5. Find the radius.
 $r^2 = 2^2 + 5^2$
 $r = \pm\sqrt{29}$
- 2) x value of 3 and y value of 5. Find the radius.
 $r^2 = 3^2 + 5^2$
 $r = \pm\sqrt{34}$
- 3) y value of 5 and x value of 7.48. Find the radius.
 $x^2 = 9^2 - 5^2$
 $x = \pm\sqrt{56}$
- 4) x value of 4 and y value of 3. Find the radius.
 $r^2 = 4^2 + 3^2$
 $r = \pm\sqrt{25}$
- 5) x value of 4 and y value of 3. Find the radius.
 $r^2 = 4^2 + 3^2$
 $r = \pm\sqrt{25}$
- 6) x value of 2 and y value of 3. Find the radius.
 $r^2 = 2^2 + 3^2$
 $r = \pm\sqrt{13}$
- 7) x value of 5 and y value of 5. Find the radius.
 $r^2 = 5^2 + 5^2$
 $r = \pm\sqrt{50}$
- 8) x value of 5 and y value of 5. Find the radius.
 $r^2 = 5^2 + 5^2$
 $r = \pm\sqrt{50}$
- 9) y value of 4 and x value of 5.74. Find the radius.
 $x^2 = 7^2 - 4^2$
 $x = \pm\sqrt{33}$
- 10) x value of 2 and radius of 8. Find the value of y.
 $y^2 = 8^2 - 2^2$
 $y = \pm\sqrt{60}$
- 11) x value of 2 and radius of 8. Find the value of y.
 $y^2 = 8^2 - 2^2$
 $y = \pm\sqrt{60}$
- 12) x value of 3 and radius of 7. Find the value of y.
 $y^2 = 7^2 - 3^2$
 $y = \pm\sqrt{40}$
- 13) x value of 4 and radius of 9. Find the value of y.
 $y^2 = 9^2 - 4^2$
 $y = \pm\sqrt{65}$

Answers

1. **± 5.39**
2. **± 5.83**
3. **± 7.48**
4. **± 5.00**
5. **± 5.00**
6. **± 3.61**
7. **± 7.07**
8. **± 7.07**
9. **± 5.74**
10. **± 7.75**
11. **± 7.75**
12. **± 6.32**
13. **± 8.06**