



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.

- 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 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