Name: _____

Solve each problem. Round to two decimal places.

1) y value of 2 and x value of 6.71. Find the radius.

1. _____

2) x value of 2 and y value of 2. Find the radius.

2. _____

3. _____

3) x value of 5 and y value of 3. Find the radius.

4. _____

4) x value of 5 and radius of 6. Find the value of y.

5. _____

6. _____

5) x value of 3 and y value of 2. Find the radius.

7. _____

8. _____

6) x value of 4 and y value of 3. Find the radius.

9. _____

7) x value of 2 and y value of 2. Find the radius.

10. _____

11. _____

8) x value of 2 and radius of 9. Find the value of y.

12. _____

9) x value of 3 and y value of 3. Find the radius.

13. _____
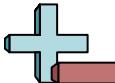
10) x value of 4 and y value of 3. Find the radius.

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.

1-10	92	85	77	69	62	54	46	38	31	23
11-13	15	8	0							

Solve each problem. Round to two decimal places.

Answers

1) y value of 2 and x value of 6.71. Find the radius.
$$x^2 = 7^2 - 2^2$$
$$x = \pm\sqrt{45}$$

1. ___**±6.71**___

2) x value of 2 and y value of 2. Find the radius.
$$r^2 = 2^2 + 2^2$$
$$r = \pm\sqrt{10}$$

2. ___**±2.83**___

3) x value of 5 and y value of 3. Find the radius.
$$r^2 = 5^2 + 3^2$$
$$r = \pm\sqrt{6}$$

3. ___**±5.83**___

4) x value of 5 and radius of 6. Find the value of y.
$$y^2 = 6^2 - 5^2$$
$$y = \pm\sqrt{11}$$

4. ___**±3.32**___

5) x value of 3 and y value of 2. Find the radius.
$$r^2 = 3^2 + 2^2$$
$$r = \pm\sqrt{10}$$

5. ___**±3.61**___

6) x value of 4 and y value of 3. Find the radius.
$$r^2 = 4^2 + 3^2$$
$$r = \pm\sqrt{9}$$

6. ___**±5.00**___

7) x value of 2 and y value of 2. Find the radius.
$$r^2 = 2^2 + 2^2$$
$$r = \pm\sqrt{7}$$

7. ___**±2.83**___

8) x value of 2 and radius of 9. Find the value of y.
$$y^2 = 9^2 - 2^2$$
$$y = \pm\sqrt{77}$$

8. ___**±8.77**___

9) x value of 3 and y value of 3. Find the radius.
$$r^2 = 3^2 + 3^2$$
$$r = \pm\sqrt{6}$$

9. ___**±4.24**___

10) x value of 4 and y value of 3. Find the radius.
$$r^2 = 4^2 + 3^2$$
$$r = \pm\sqrt{6}$$

10. ___**±5.00**___

11) x value of 2 and y value of 5. Find the radius.
$$r^2 = 2^2 + 5^2$$
$$r = \pm\sqrt{8}$$

11. ___**±5.39**___

12) y value of 3 and x value of 9.54. Find the radius.
$$x^2 = 10^2 - 3^2$$
$$x = \pm\sqrt{91}$$

12. ___**±9.54**___

13) x value of 3 and y value of 4. Find the radius.
$$r^2 = 3^2 + 4^2$$
$$r = \pm\sqrt{10}$$

13. ___**±5.00**___

1-10	92	85	77	69	62	54	46	38	31	23
11-13	15	8	0							