	Solving Circle Equations Name.	
Solv	re each problem. Round to two decimal places.	Answers
1)	x value of 3 and radius of 7. Find the value of y.	
		1
		2.
2)	x value of 3 and radius of 6. Find the value of y.	
		3
3)	y value of 3 and x value of 8.49. Find the radius.	
		4
		5.
4)	x value of 3 and y value of 2. Find the radius.	.
		6
5)	y value of 3 and x value of 6.32. Find the radius.	
-,	y variet of 5 and x variet of 6.32. I find the factors.	7
		8.
6)	x value of 4 and radius of 6. Find the value of y.	
		9
7)	x value of 4 and radius of 7. Find the value of y.	
1)	x value of 4 and radius of 7. I and the value of y.	10
		11.
8)	y value of 4 and x value of 8.06. Find the radius.	
		12
0)	x value of 5 and radius of 8. Find the value of y.	13.
7)	A value of 3 and facins of 6.1 ind the value of y.	15.
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.	
)	A value of 5 and radius of 5.1 ind 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.	
13)	y value of 2 and x value of 7.60. Pillu the faulus.	



Answer Key

Name:

Solve each problem. Round to two decimal places.

- 1) x value of 3 and radius of 7. Find the value of y. $v^2 = 7^2 - 3^2$ $y = \pm \sqrt{40}$
- 2) x value of 3 and radius of 6. Find the value of y. $v^2 = 6^2 - 3^2$ $v = \pm \sqrt{27}$
- 3) y value of 3 and x value of 8.49. Find the radius. $x^2 = 9^2 - 3^2$ $x = +\sqrt{72}$
- **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. $v^2 = 6^2 - 4^2$ $v = \pm \sqrt{20}$
- 7) x value of 4 and radius of 7. Find the value of y. $y^2 = 7^2 - 4^2$ $v = \pm \sqrt{33}$
- 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. $v^2 = 10^2 - 4^2$ $v = \pm \sqrt{84}$
- 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. $x^2 = 10^2 - 2^2$ $x = \pm \sqrt{96}$

- ± 6.32
- ±8.49
- ± 6.32
- ± 5.74
- ± 8.06
- ± 6.24
- ±9.17 10.
- ±8.49 11.
- ± 9.80 13.