Secondary Math 2 Name_____

10-1 Graphing Circles Period _____

Write the standard form of the equation of each circle whose information is given.

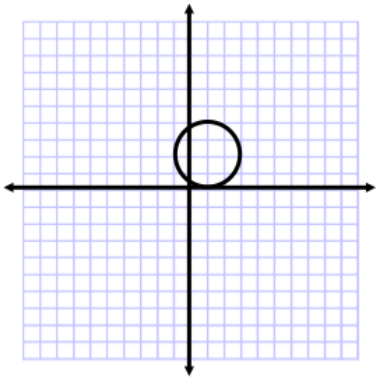
1. Center: (-2, 4)
   Radius: 6

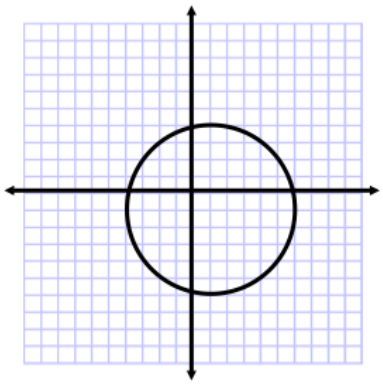
2. Center: (1, 0)
   Radius: 2

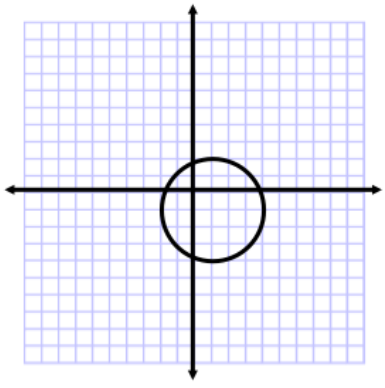
3. Center: (0, 0)
   Radius: 3

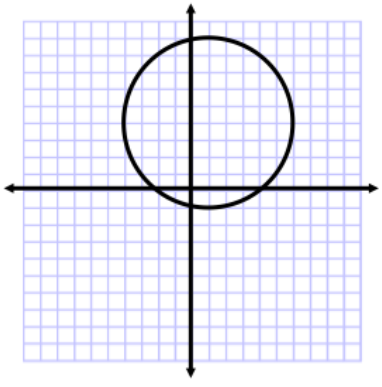
4. Center: (-3, -4)
   Radius: $\sqrt{7}$

Find the center and radius of each circle. Write the standard form of the equation.

5. 

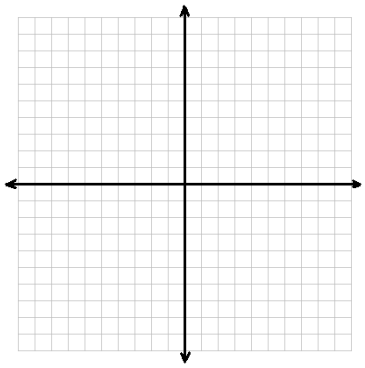
6. 

7. 

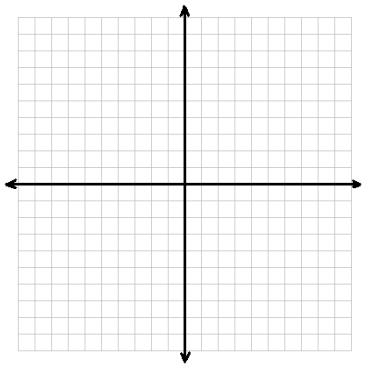
8. 

Graph each given the standard form of the equation.

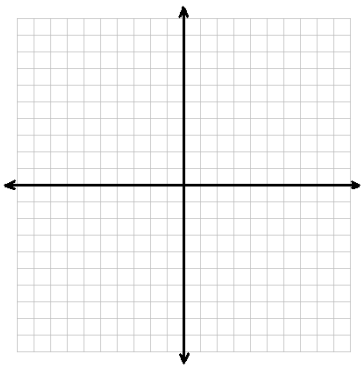
9. $x^2 + y^2 = 36$



10. $(x - 4)^2 + (y - 1)^2 = 25$



11. $x^2 + (y - 3)^2 = 64$



12. $(x + 3)^2 + (y - 2)^2 = 81$