

Name: _____ Date: _____

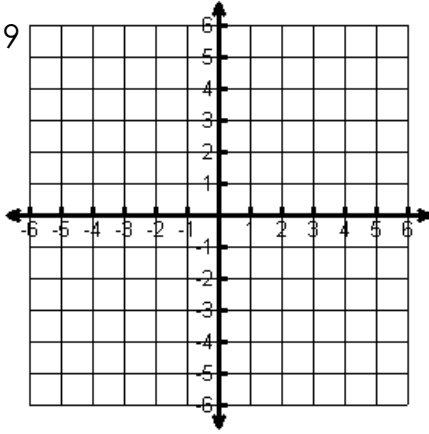
Graphing & Writing Equations of Circles

Graph the following circles. State the center and radius.

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

Center: _____

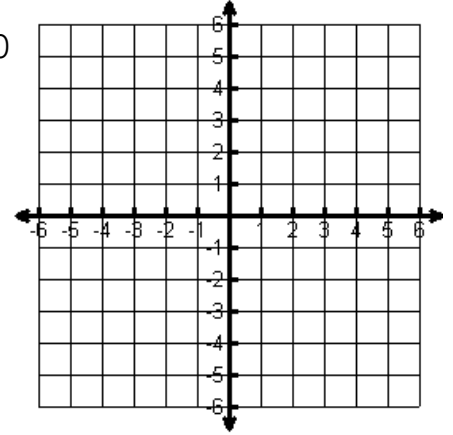
Radius: _____



2. $x^2 + y^2 = 20$

Center: _____

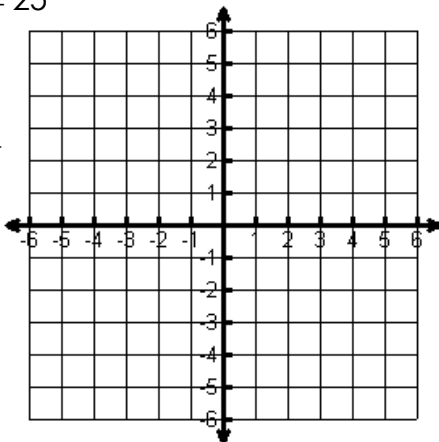
Radius: _____



3. $x^2 + y^2 = 25$

Center: _____

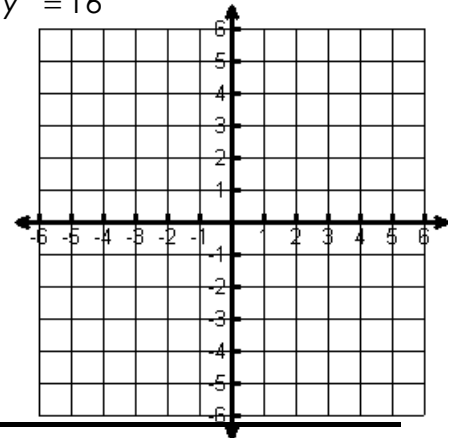
Radius: _____



4. $(x+2)^2 + y^2 = 16$

Center: _____

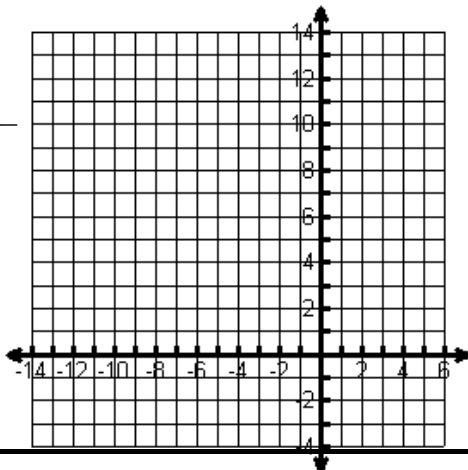
Radius: _____



5. $(x+4)^2 + (y-6)^2 = 64$

Center: _____

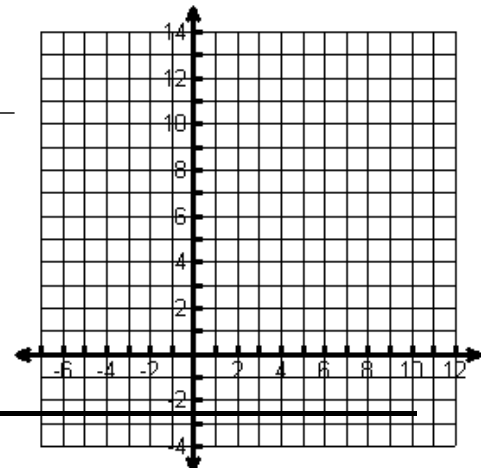
Radius: _____



6. $(x-3)^2 + (y-5)^2 = 50$

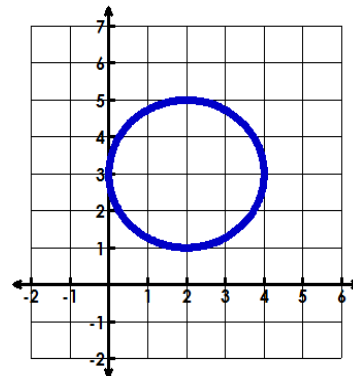
Center: _____

Radius: _____



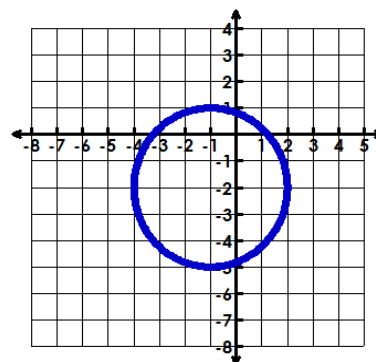
Write the equation of the circle in standard form. Then, convert to the general form.

7. Standard Form: _____



General Form: _____

8. Standard Form: _____



General Form: _____

Write the standard equation for the circle. State the center and radius.

9. $x^2 + 2x + y^2 - 10y + 10 = 0$

10. $x^2 + y^2 - 4x + 6y + 9 = 0$

11. $7x^2 + 7y^2 - 28x + 14 = 0$

12. $3x^2 + 3y^2 + 18x + 6y = 0$
