Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Equations of Circles – Homework**

**Graph the following circles. State the center and radius.**

1. ****

Center: \_\_\_\_\_\_\_

Radius: \_\_\_\_\_\_

1. 

Center: \_\_\_\_\_\_\_\_\_

Radius: \_\_\_\_\_\_\_\_

1. ****

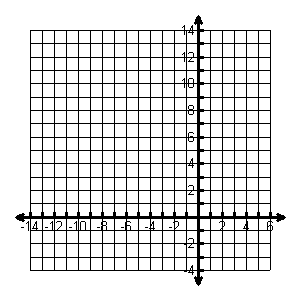
Center: \_\_\_\_\_\_\_

Radius: \_\_\_\_\_\_

1. 

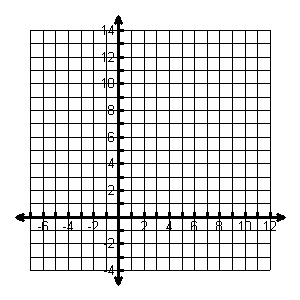
Center: \_\_\_\_\_\_\_\_\_

Radius: \_\_\_\_\_\_\_\_

1. ****

Center: \_\_\_\_\_\_\_

Radius: \_\_\_\_\_\_

1. 

Center: \_\_\_\_\_\_\_\_\_

Radius: \_\_\_\_\_\_\_\_

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

7. 8.

**Find the value of c that makes this a Perfect Square Trinomial, then write the expression as the square of a binomial.**

1. ****
2. ****
3. ****

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

1. ****
2. ****
3. ****
4. ****