**Practice – Equations of Circles** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Due Monday – Quiz on Equations of Circles is Wednesday**

Rewrite each equation and identify the center of the circle and the radius length.

1. Center:

Radius:

2. Center:

Radius:

Verify if (5, 4) is on the circle:

3. Center:

Radius:

Verify if (-3, -6) is on the circle:

4. Center:

Radius:

Verify if (-7, 1) is on the circle:

5. Center:

Radius:

6. Center:

Radius:

7. What is the center and radius of the circle whose equation is

8. Identify the center and radius of the circle:

9. Write the equation of the circle whose center is at (8, -7) with a radius of 9.

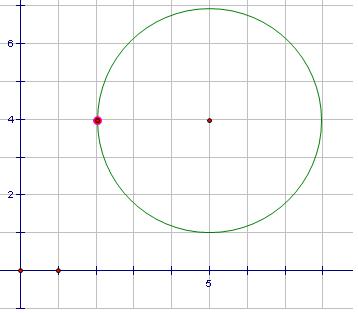
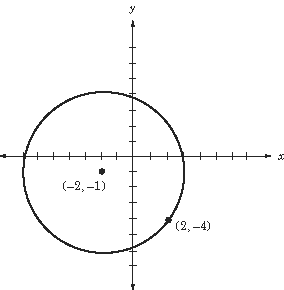
10. Write the equation of the circle whose center is at (-23, 11) with a radius of 12.

11. Write the equation of the circle whose center is at (-6, 4) and a point on the circle is (-6, 8).

12. Write the equation of the circle whose center is at (3, 3) and a point on the circle is (9, 3).

13. Rewrite the equation of this circle in expanded form.

14. Write the equation of the given circle: 15. Write the equation of the given circle:



16. Use the information provided to write the equation of the circle.

Ends of a diameter: (18, -13) and (4, -3)