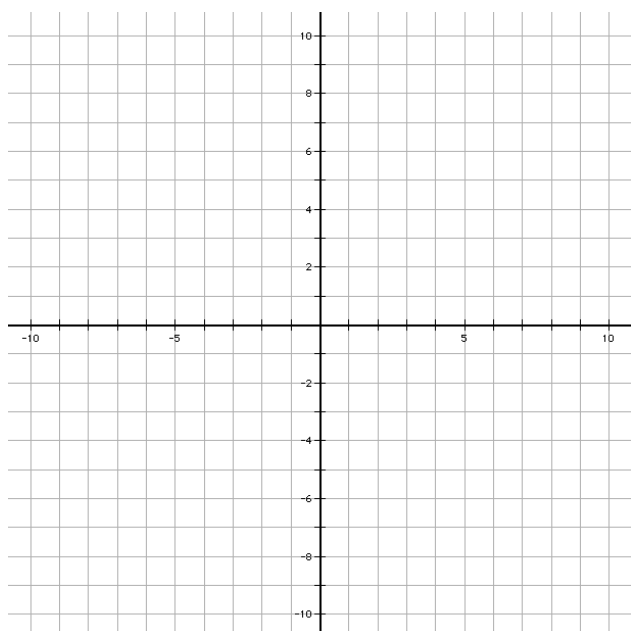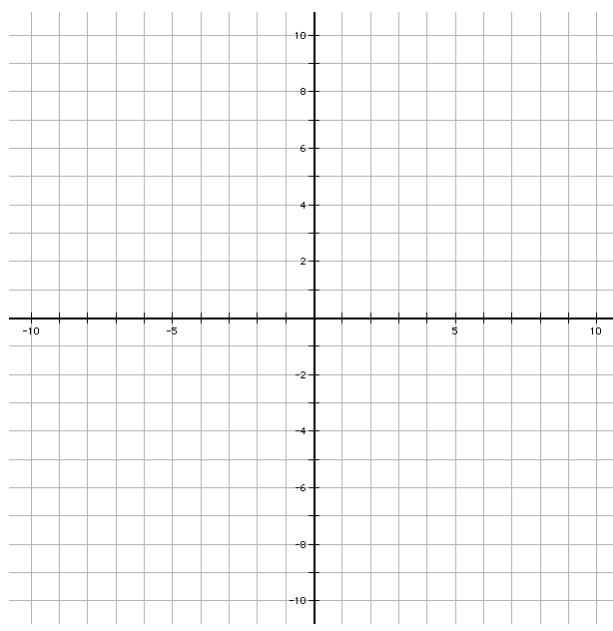# Equations of Circles

Name: _____

Date: _____

Use the compass when graphing the circles.

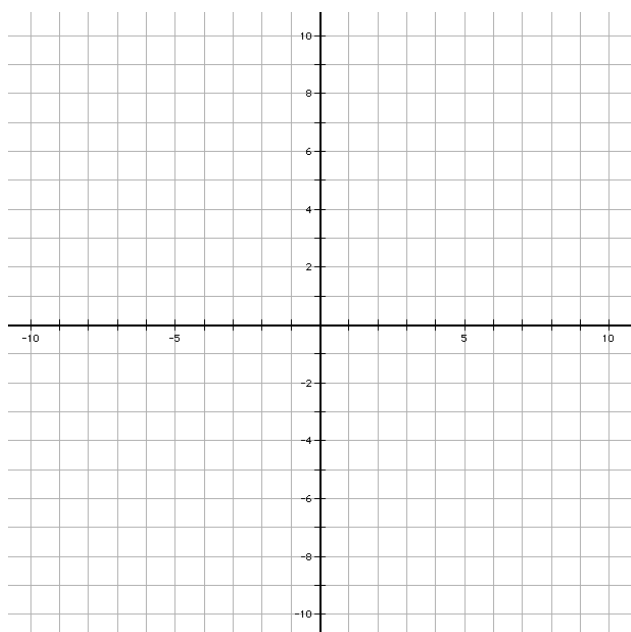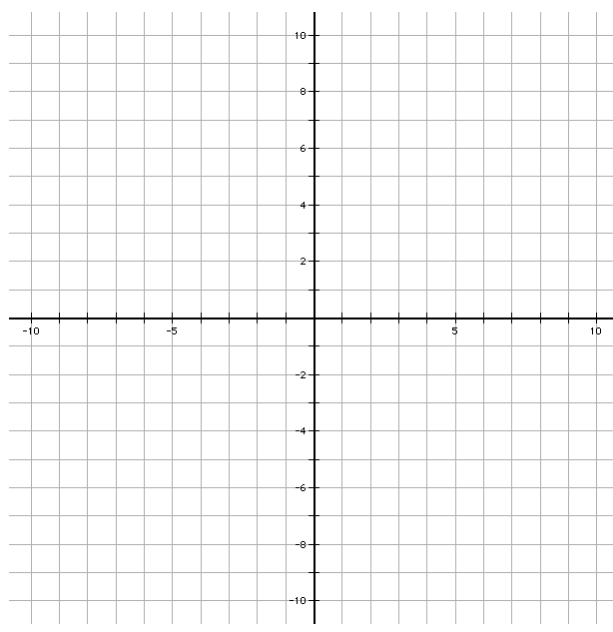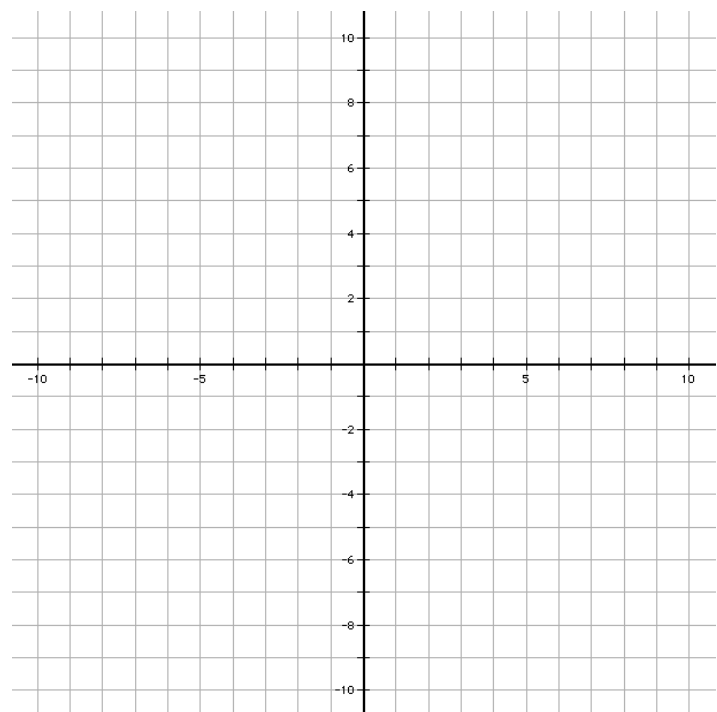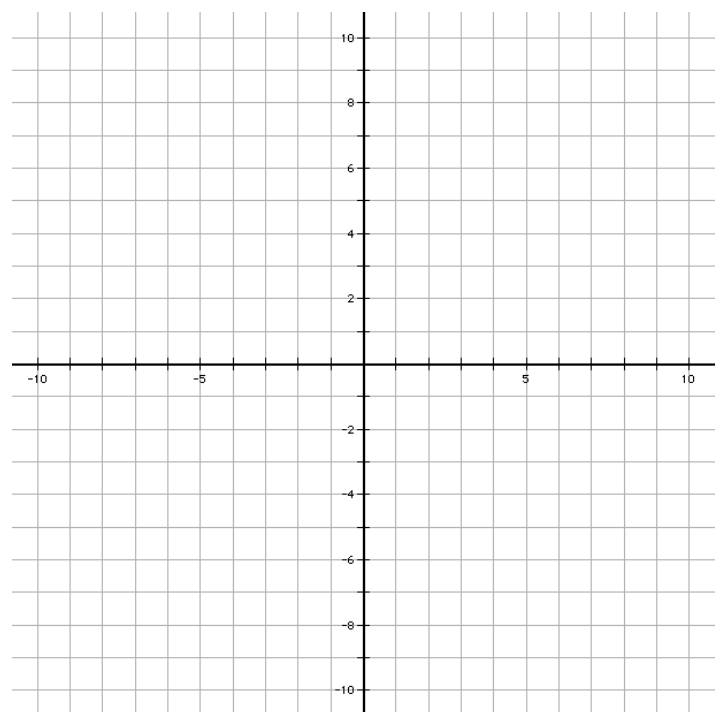| 1. Center (-3, 1), radius = 3 Write the equation and graph the circle.	2. Center (0, 0), radius = 6 Write the equation and graph the circle.
3. Center (5, -4), radius = 2 Write the equation and graph the circle.	4. Center (2, 2), radius = 4 Write the equation and graph the circle.

5. $(x - 3)^2 + (y + 6)^2 = 4$ Find the center and radius, then graph the circle.
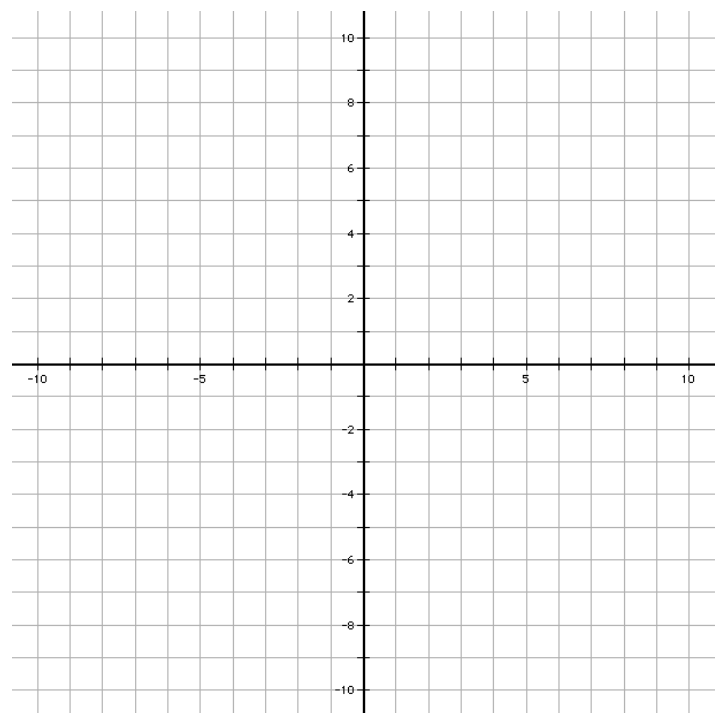
6. $x^2 + y^2 = 100$ Find the center and radius, then graph the circle.

7. $(x + 1)^2 + (y - 2)^2 = 9$ Find the center and radius, then graph the circle.
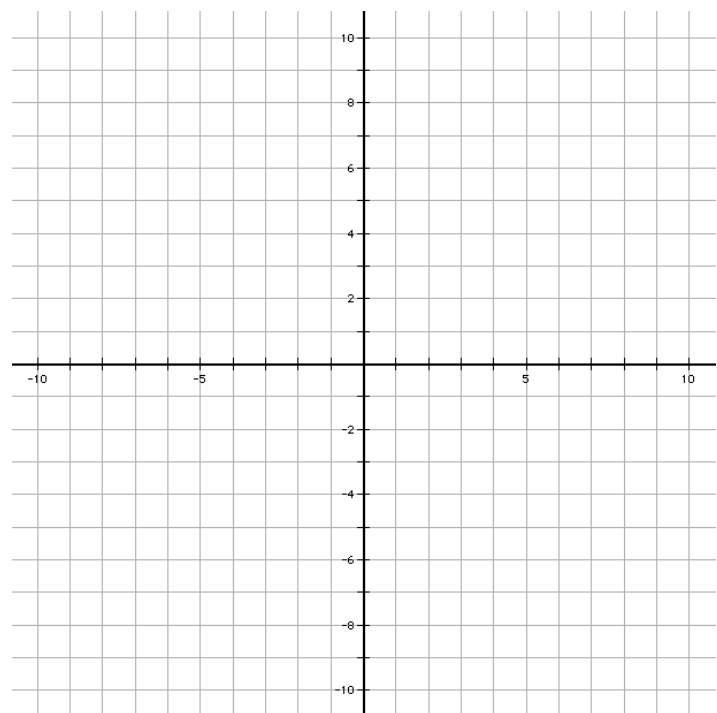
8. $x^2 + (y - 3)^2 = 25$ Find the center and radius, then graph the circle.
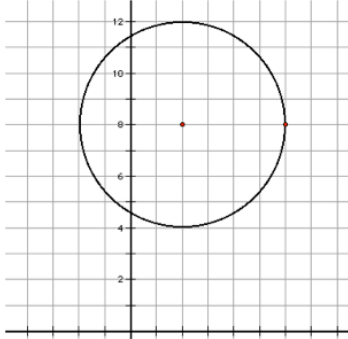
22

Name: _____

Date: _____
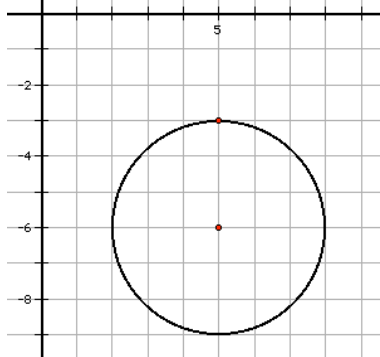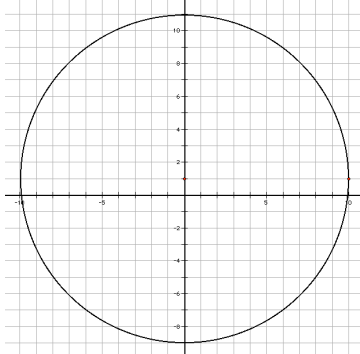
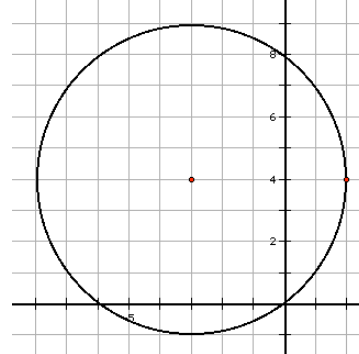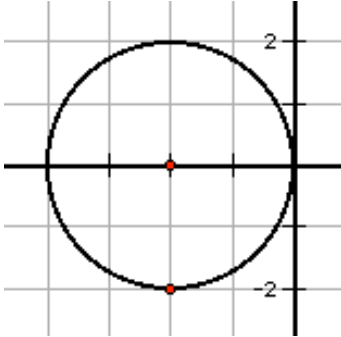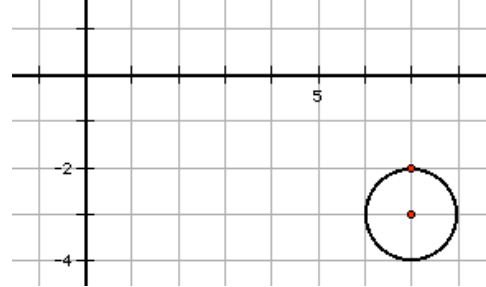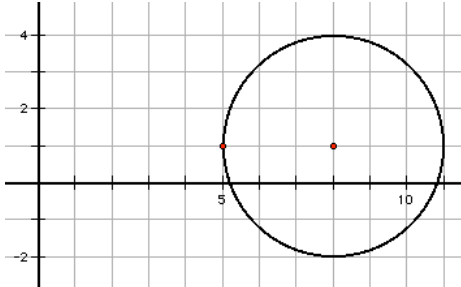|	
9. Find the center and radius. Write the equation.	10. Find the center and radius. Write the equation.
11. Find the center and radius. Write the equation.	12. Find the center and radius. Write the equation.
13. Find the center and radius. Write the equation.	14. Find the center and radius. Write the equation.
15. Find the center and radius. Write the equation.	16. Find the center and radius. Write the equation.