Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Graph the following circles and find the radius.

1) $x^{2}+y^{2}=9$ (2) $x^{2}+y^{2}=64$

3) $2x^{2}+2y^{2}=162$ (4) $5x^{2}+5y^{2}=150$

Write an equation of the circle with the given radius and centered at the origin.

5) 14 (6) 9 (7) $9\sqrt{2}$

Write the equation of the circle that passes through the given point and is centered at the origin.

8) (7,-24) (9) (2, 2) (10) (-9,-10)

Determine if the following points are on the circle, $x^{2}+y^{2}=74$

11) (-8, 0) (12) (7,-5) (13) (6,-6)