**HW: Equations of Circles Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

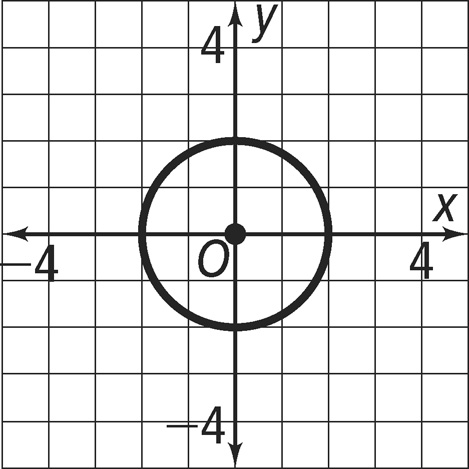
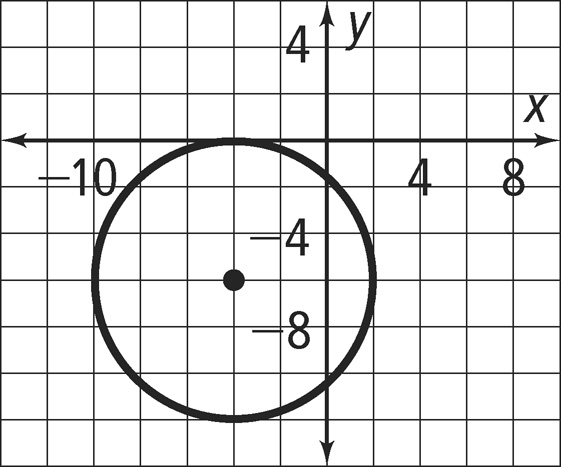
Find the center and radius of each circle

**1.** *x*2 + *y*2 = 36 **2.** (*x* − 2)2 + (*y* − 7)2 = 49

**3.** (*x* + 1)2 + (*y* + 6)2 = 16 **4.** (*x* + 3)2 + (*y* − 11)2 = 12

Write the standard equation of each circle

**5.** center (0, 0); *r* = 7 **6.** center (4, 3); *r* = 8 **7.** center (5, 3); *r* = 2



**8. 9.**

**10.** Write the standard equation of the circle with the given center that passes through the agfadfdafgiven point

center (5, 9); point (2, 9)