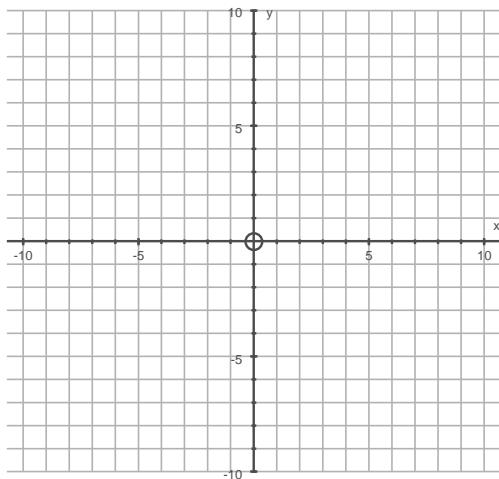


Name: _____ Period: _____

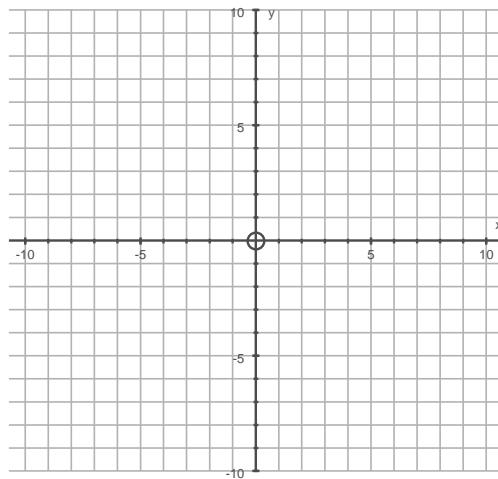
12-5 Equations of Circles Part 2

Find the center and radius of the circle with the given equation. Then graph the circle.

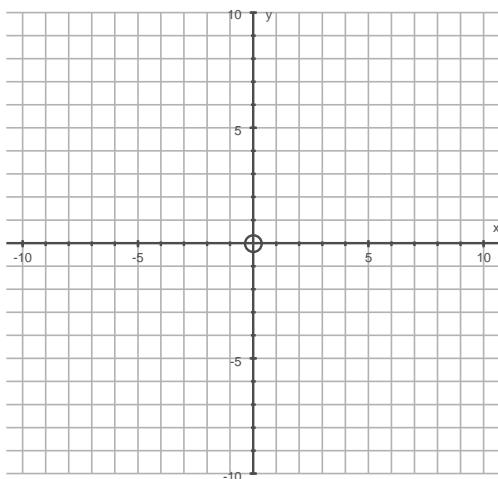
16. $(x + 7)^2 + (y - 5)^2 = 16$



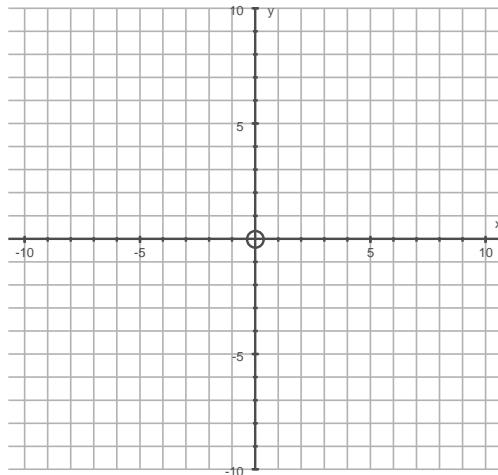
17. $(x - 3)^2 + (y + 8)^2 = 100$



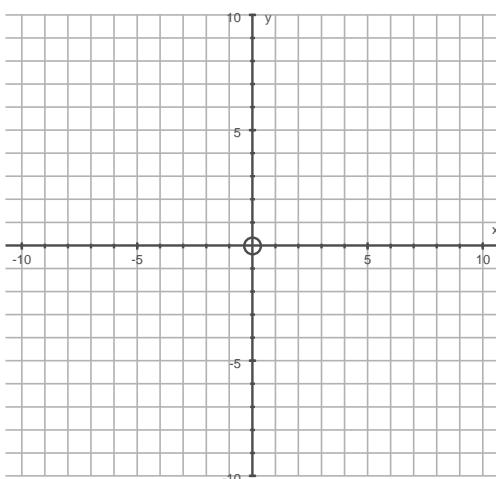
18. $(x + 4)^2 + (y - 1)^2 = 25$



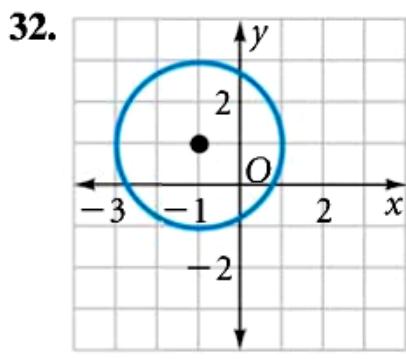
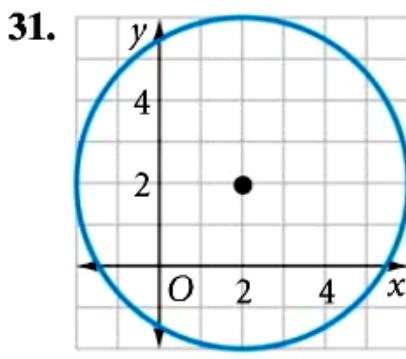
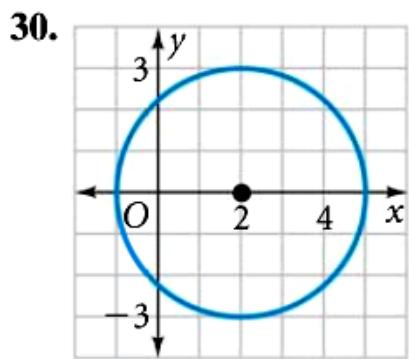
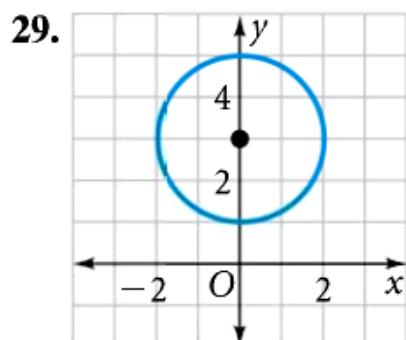
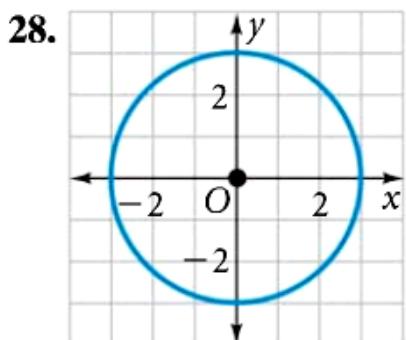
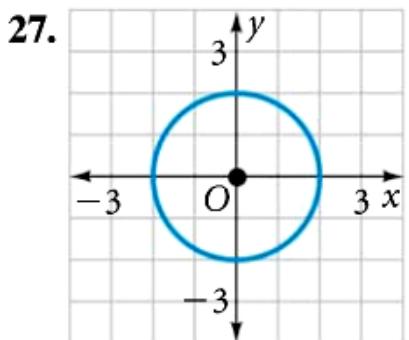
19. $x^2 + y^2 = 36$



21. $(x + 5)^2 + (y + 2)^2 = 48$



Write the standard equation of each circle.



65. Write the standard equation of the circle.

- (A) $x^2 + (y - 2)^2 = 9$ (C) $(x - 2)^2 + y^2 = 9$
(B) $(x - 2)^2 + (y - 1)^2 = 3$ (D) $(x - 2)^2 + y^2 = 3$

66. Write an equation of a circle with diameter \overline{AB} , where

$A(3, 2)$ and $B(3, -4)$.

- (A) $(x - 3)^2 + (y - 1)^2 = 9$ (C) $(x - 3)^2 + (y + 1)^2 = 3$
(B) $(x + 1)^2 + (y - 3)^2 = 3$ (D) $(x - 3)^2 + (y + 1)^2 = 9$

