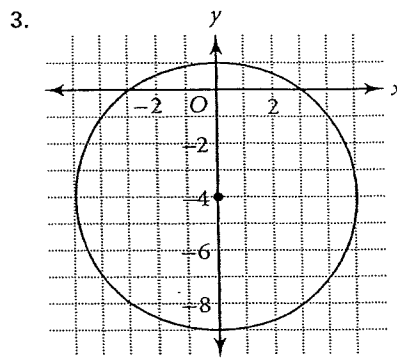
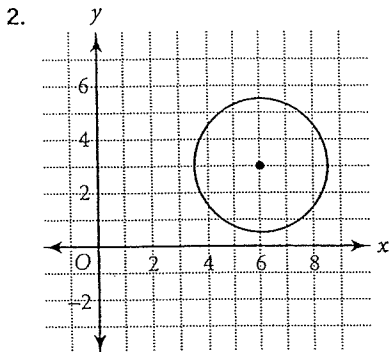
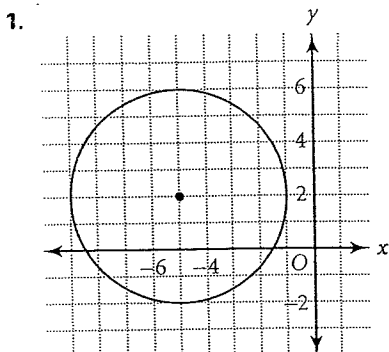




Practice

9.3 Circles

Write the standard equation for each circle graphed below.



Write the standard equation of a circle with the given radius and center.

4. $r = \frac{3}{4}$; $C(0, 0)$

5. $r = 2.5$; $C(-2, 1)$

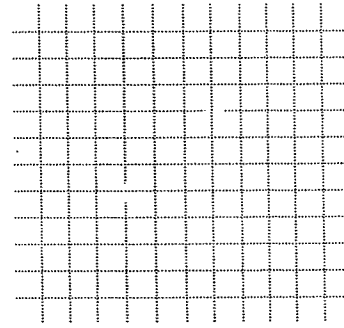
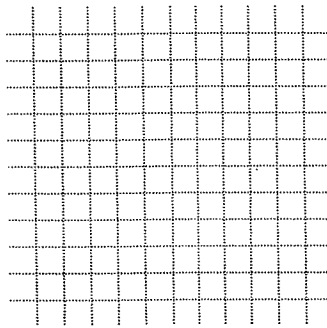
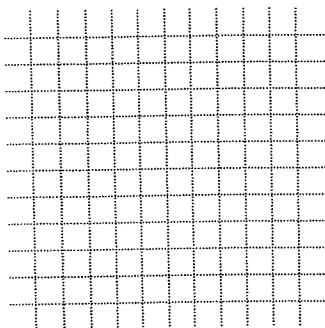
6. $r = 24$; $C(-3, -3)$

Graph each equation. Label the center and the radius.

7. $x^2 + y^2 = 256$

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

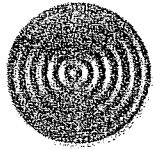
9. $(x - 3)^2 + (y + 3)^2 = 9$



Write the standard equation for each circle. Then state the coordinates of its center, and give its radius.

10. $x^2 + y^2 - 10x - 16y + 88 = 0$

11. $x^2 + y^2 + 22x - 2y = -120$

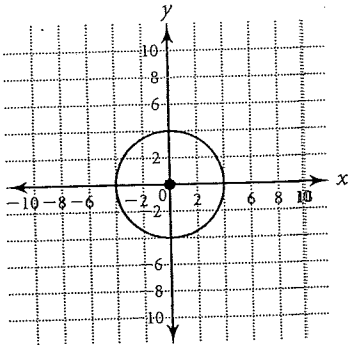


Practice Masters Level A

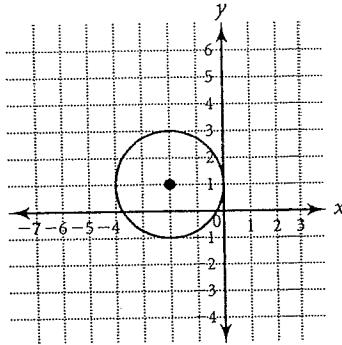
9.3 Circles

Write the standard equation for each circle graphed below.

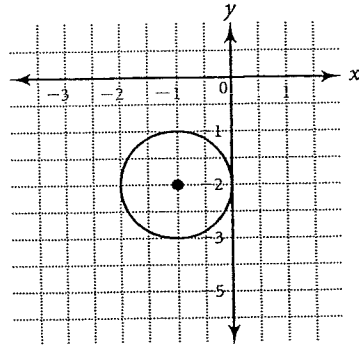
1.



2.



3.



Write the standard equation of a circle with the given radius and center.

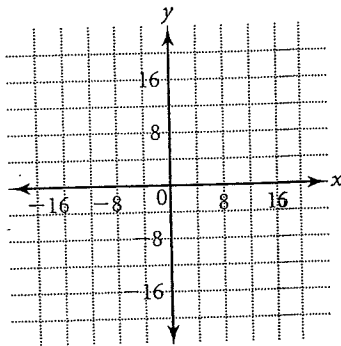
4. $r = 3$; $C(0, 0)$

5. $r = 5$; $C(2, 1)$

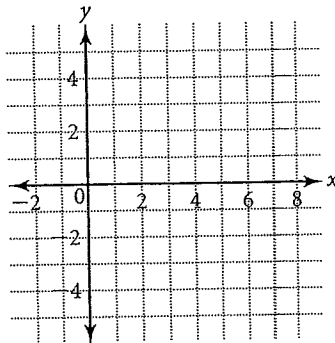
6. $r = 4$; $C(-3, 4)$

Graph each equation. Label the center.

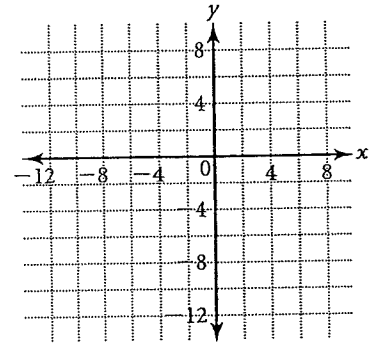
7. $x^2 + y^2 = 144$



8. $(x - 3)^2 + (y - 1)^2 = 16$



9. $(x + 2)^2 + (y + 2)^2 = 64$



Write the standard equation for each circle. Then state the coordinates of its center and give its radius.

10. $x^2 + y^2 + 6x = 25$

11. $x^2 + y^2 + 4y = 12$
