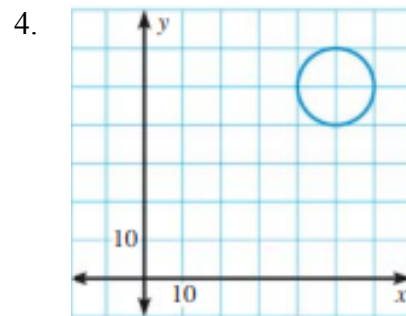
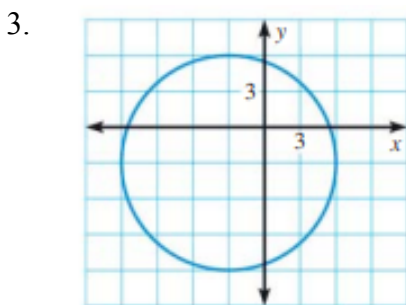
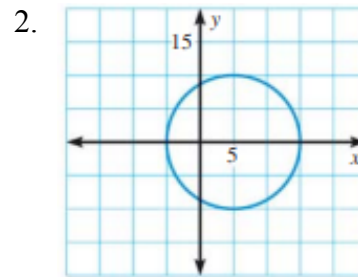
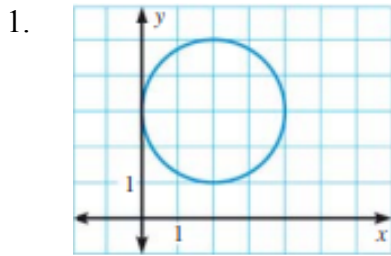


Write the standard equation of the circle.



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

5. Center $(-4, 1)$; Radius 1

6. Center $(6, -8)$; Radius 7

7. Center $(-3, -4)$; Radius 5

8. Describe and correct the error in writing the equation of a circle.

An equation of a circle with center $(-3, -5)$ and radius 3 is $(x - 3)^2 + (y - 5)^2 = 9$.



9. The standard equation of a circle is $(x - 2)^2 + (y + 1)^2 = 16$, what is the diameter?

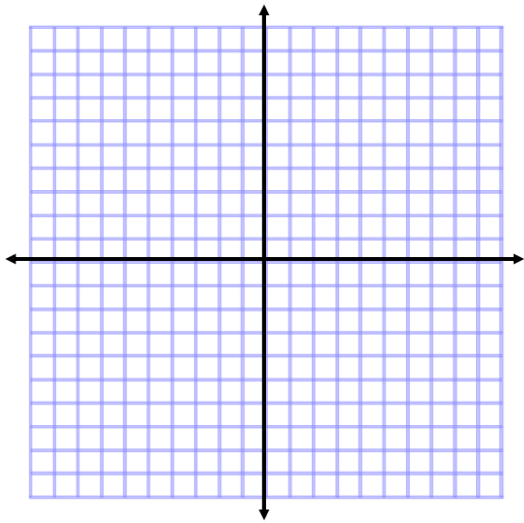
Use the given information to write the standard equation of the circle.

10. The center is $(1, 2)$ and a point on the circle is $(4, 2)$.

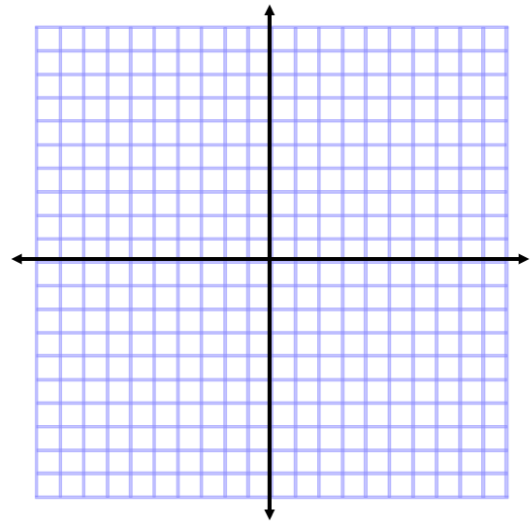
11. The center is $(-3, 5)$ and a point on the circle is $(1, 8)$.

Graph the equation.

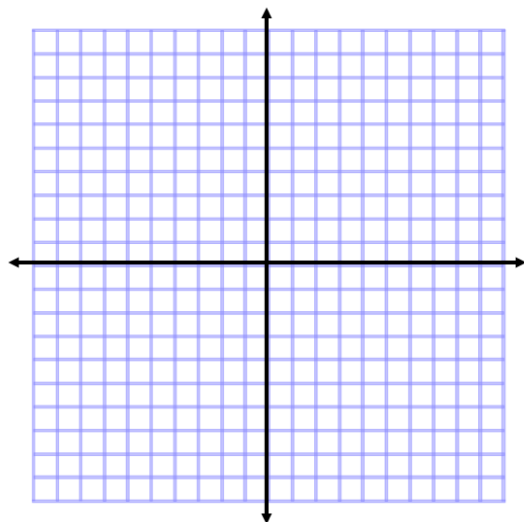
12. $x^2 + y^2 = 49$



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



14. $(x + 3)^2 + (y - 5)^2 = 16$



15. $(x - 6)^2 + (y + 3)^2 = 9$

