

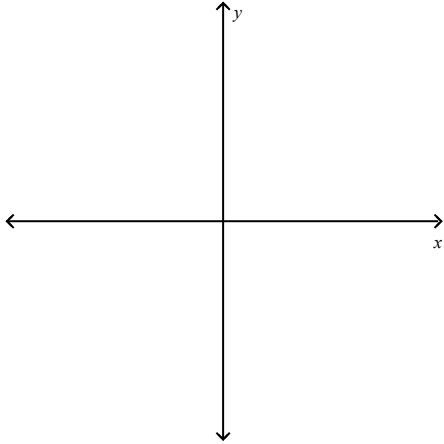
Precalculus
Lesson 1.5: Circles
Mrs. Snow, Instructor

Standard Form of an Equation of a Circle

$$(x - h)^2 + (y - k)^2 = r^2$$

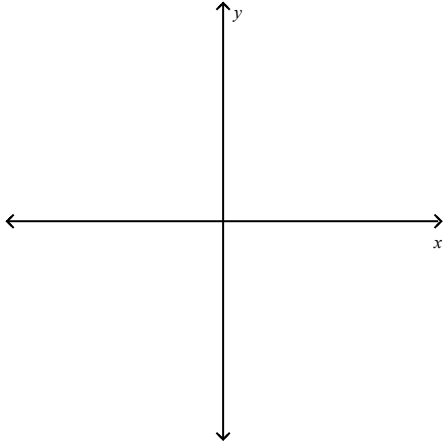
center located at (h, k)
radius of r

Write the standard form of the equation of the circle, radius 5 and a center $(-3, 6)$. Then graph.



Graph an equation of a circle in general form:

$$x^2 + y^2 + 4x - 6y + 12 = 0$$



Find the general equation of a circle with the given center of $(1, -2)$ whose graph contains the point $(4, -2)$