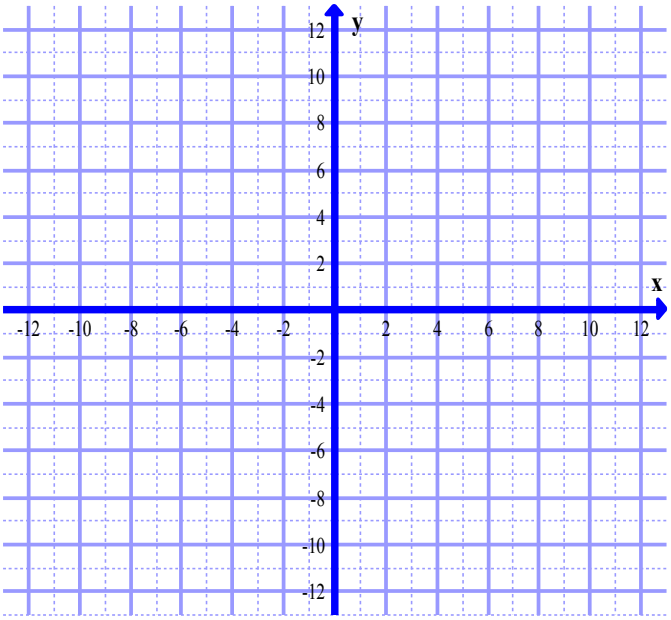
2.3 Practice Problems

1. Write the standard form of the equation of a circle centered at $(2,-5)$ and a radius of 3.

2. Identify the center and radius of the circle described by the equation and graph the equation.
$(x-2)^2+(y+1)^2=16$



3. Find the intercepts of the circle. $(x+4)^2+(y-1)^2=16$

4. Write the equation of the circle in standard form. $x^2+y^2+4x-6y+9=0$

5. Find the general form of an equation of a circle whose center is $(-3,5)$ and contains the point $(-3,7)$