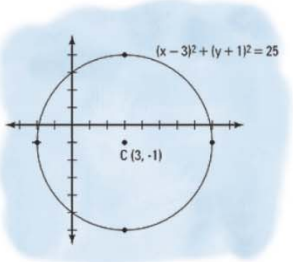
Name : Class :

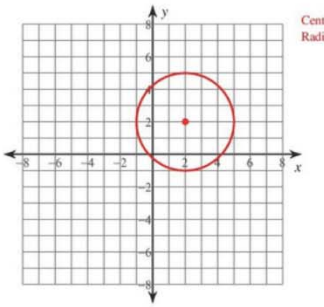
Graphing circle



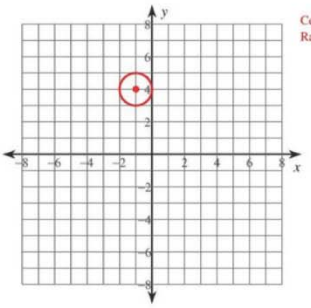
A circle graph is the intersection graph of a set of chords of a circle.

Identify the center and radius of each. Then sketch the graph.

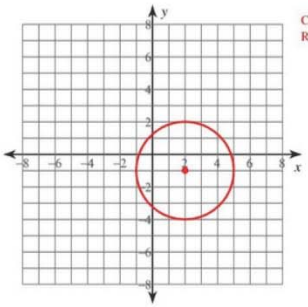
1) $(x-2)^2+(y-2)^2=9$



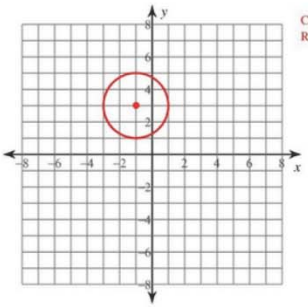
2) $(x+1)^2+(y-4)^2=1$



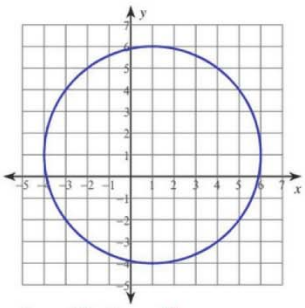
3) $-4x+2y-4=-y^2-x^2$



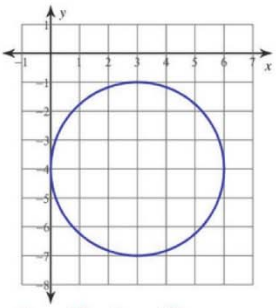
4) $6=-2x-x^2-y^2+6y$



Use the information provided to write the equation of each circle.



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



$(x-3)^2+(y+4)^2=9$