## Equation of a Circle

1) Write the equation for each circle.
a) Circle J with center $\mathrm{J}(2,2)$ and radius 4
b) Circle K that passes through $\mathrm{M}(6,4)$ and has center K (1, -8)
2) Graph each equation.
a) $x^{2}+y^{2}=16$
b) $(x-3)^{2}+(y+4)^{2}=9$



## Group Practice:

1) Write the equation of each circle.
a) Circle $L$ with center $L(-5,-6)$ and radius 9 .
b) Circle D that passes through $(-2,-1)$ and has center $\mathrm{D}(2,4)$
2) Graph each equation.
a) $x^{2}+y^{2}=4$
b) $(x-2)^{2}+(y+3)^{2}=16$


