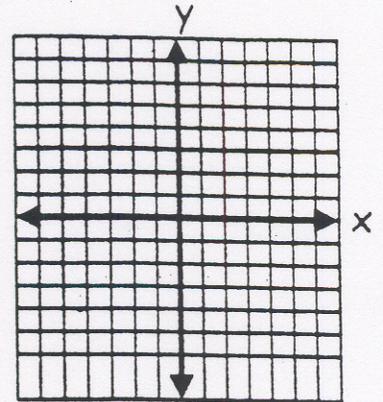# What Happens to Y?

__Norm:__ y = x   Slope: 1   y-intercept: (0,0)
(equidistant from the x- and y- axes)

Graph each of the following equations on the TI-82 and supply the missing information.			
EQUATION	**SLOPE**	**Y-INTERCEPT**	**GRAPH (COMPARED TO NORM)**
y = 2x			
y = 3x			
y = 10x			
y = .5x			
y = .1x			
y = -x			
y = -5x			
y = -.01x			
y = -.5x			

What was changed in each of the above equations? _____
What happens to the graph of the line as the slope gets
larger? _____
smaller? _____
What does a negative slope do to the line? _____