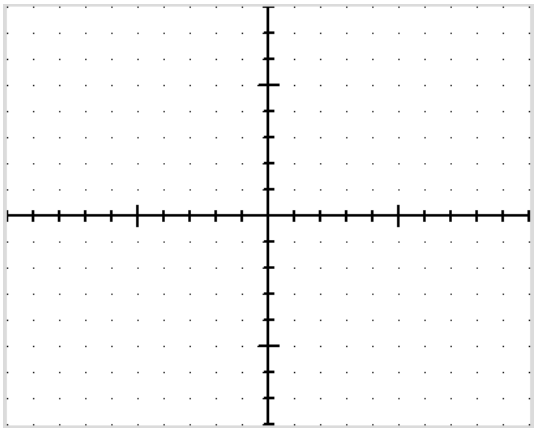
CA Standard 17.0 Name:_____ Per:___

3-6 Lines in the coordinate Plane

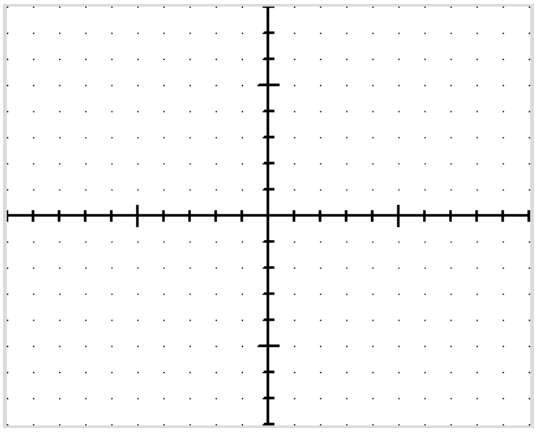
Given the equation in slope-intercept form, first describe how to graph the line, then graph it.

1) $y = -3x + 6$



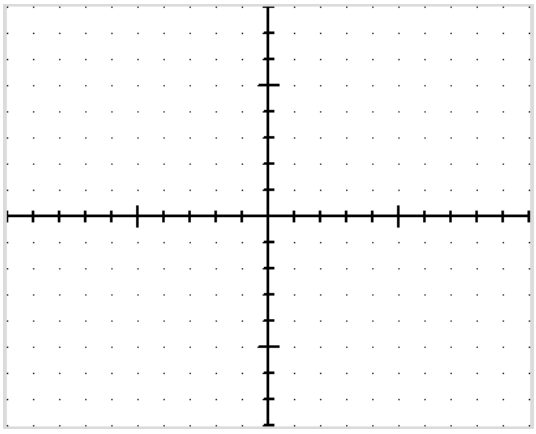
Slope (m) = _____ y-intercept (0, b) =_____
Describe in words how to graph the line:_____
_____
_____

2) $y = 4x - 8$



Slope (m) = _____ y-intercept (0, b) =_____
Describe in words how to graph the line:_____
_____
_____

3) $y = -\frac{1}{2}x - 8$



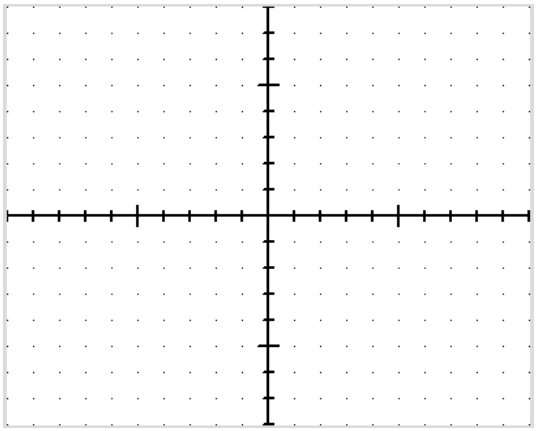
Slope (m) = _____ y-intercept (0, b) =_____
Describe in words how to graph the line:_____
_____
_____

Graphing Lines using Standard form and Intercepts

Given each equation in the form of $Ax + By = C$, use the *x* and *y*-intercepts to draw each graph. (Show work, off to the side)

Then use the points to find the slope of each line.

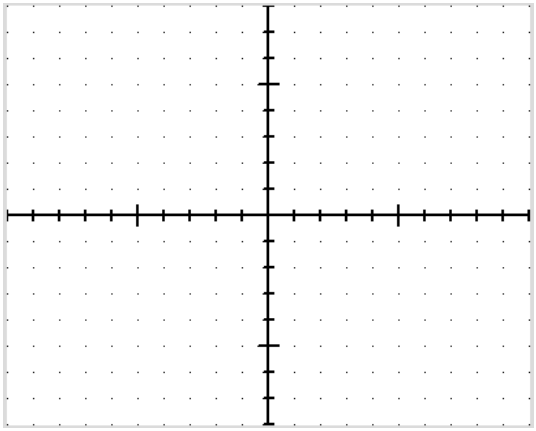
4) $2x - 3y = 6$



x	*y*
0	
	0

$m =$ ———

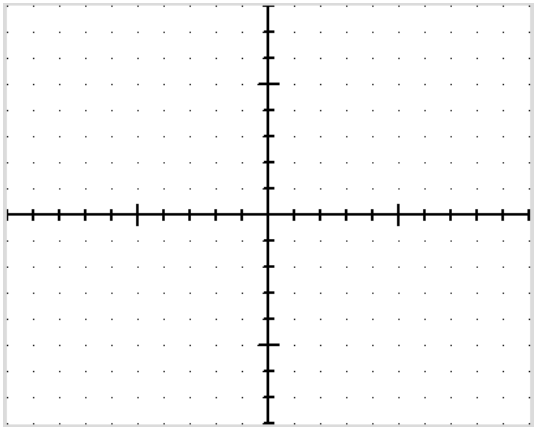
5) $5x + 2y = -10$



x	*y*
0	
	0

$m =$ ———

6) $-2x + 3y = -12$



x	*y*
0	
	0

$m =$ ———