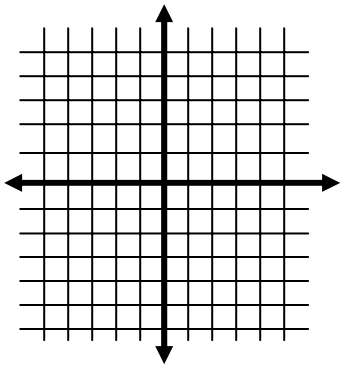
Math 94 Homework #9 Ch.3 **Names: _____**

Plot the following points and tell what quadrant they are in.

1.) (2, -3) 2.) (4, 0) 3.) (-4, 3) 4.) (0, 2) 5.) (-3, -1)

_____ _____ _____ _____ _____



Give the coordinates of the points at the right.

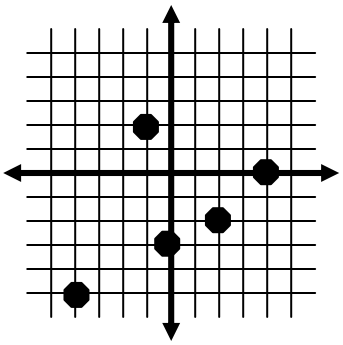
6.) _____

7.) _____

8.) _____

9.) _____

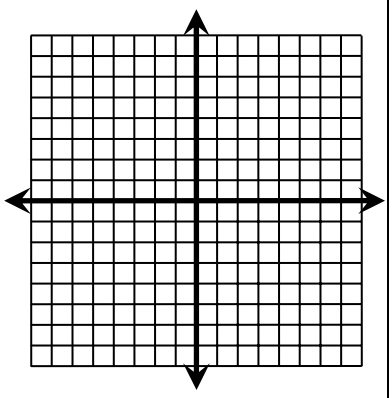
10.) _____



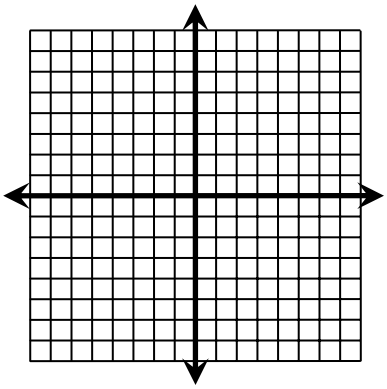
11.) Complete the following ordered pairs so they are solutions to the equation $5x-2y=10$. $(1,\_\_\_);(0,\_\_\_)$ $(\_\_\_,2);(\_\_\_,0)$	12.) Which of the following ordered pairs are solutions to $3x+4y=12$. $(0,4);(4,0)$ $\left(2,\frac{2}{3}\right);\left(\frac{16}{3},1\right)$
Give the x-intercept, y-intercept and the slope:	
13.) $3x-5y=12$ x-int: _____ y-int: ____ m = _____	14.) $y=\frac{1}{4}x-3$ x-int: _____ y-int: _____ m = _____

Graph the following equations:

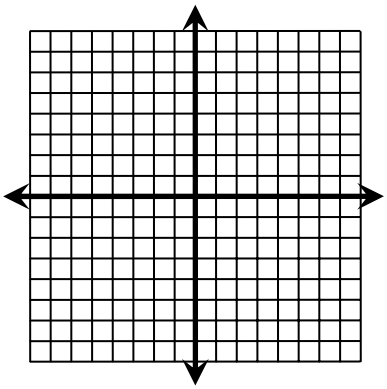
14.) $y = -\frac{2}{3}x + 3$



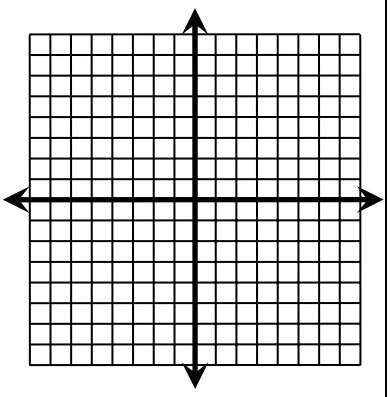
15.) $y = 6$



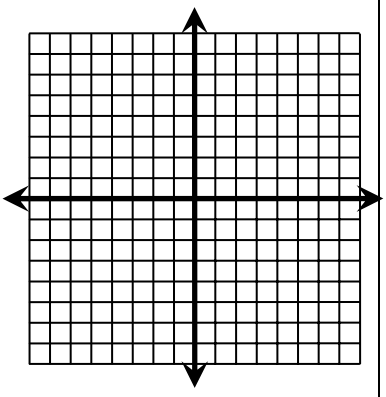
16.) $2x - y = 5$



17.) $y = 2x + 3$



18) $4x - 2y = 8$



19.) Give the slope of:

A.) A vertical line _____

B.) A horizontal line _____

20.) Find the slope of the line that passes through the following points:
$(-2,3)$ *and* $(-2,5)$

21.) Find the slope of the line that passes through the following points:
(3,0) and (-3, -2).