## Pre-Algebra MATH Brush-Up Session

## If you placed into MATH 70 or a higher-level course, this might be useful for you Intro to plotting points & graphing equations on a coordinate graph

1. Graph the coordinate points. State which quadrant each point is in.

A (3, 4) B (-2, 5) C (-6, -3) D (5, -2)



Determine whether the equation has the given ordered pair as a solution. (yes or no) 2. y = 2x + 3 (0,3) 3. 5x - 3y = 15 (0,5)

Graph the equations.

**4.** y = 2x + 3



**5.** 
$$\frac{1}{2}x - 4 = y$$



## **6.** 6x - 9y = 18



**7.** 8y + 2x = -4



State the x-intercept & y-intercept of the following equations.

8. 
$$y = 3x - 12$$
  
9.  $y = \frac{1}{2}x - 4$ 

**10.** 30x + 60y = 180

**11.** 12x + 15y = 60

Answer Key: see videos