Day 6 - Converting to Slope Intercept Form & Graphing - Notes

In the last unit, you reviewed how to solve for y. When you graph linear functions, it is much easier to graph in slope intercept form than standard form.

Standard Form	Slope Intercept Form
Ax + By = C	y = mx + b
a, b, and c are constants	m = slope
	b = y-intercept

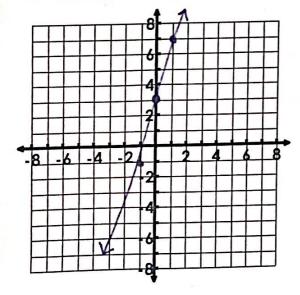
Solve the equations for y. Then name the slope and y-intercept.

A.
$$3x - 2y = -16$$

$$\frac{-2y}{-2} = \frac{-3x}{-2} - \frac{16}{-2}$$

Slope: 3 y-intercept: (0,8)

$$m = 4$$
 $b = (0,3)$



$$\frac{5.5x - y = 10}{-5x} - \frac{5x}{-5x}$$

D.
$$5y + 2x = 20$$

- $2x - 2x$

$$\frac{5y}{5} = \frac{-2x}{5} + \frac{20}{5}$$

$$m = \frac{-2/5}{5}$$
 $b = (0,4)$

