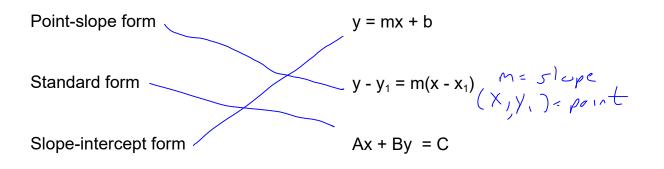
## Bell Work:

Copy on your own paper. Match each term with its equation.



Linear Functions and Slope-Intercept Form

$$M = \frac{Y_2 - Y_1}{X_2 - X_1}$$

Find the slope of the line through each pair of points. To start, substitute  $(x_1, y_1)$  and  $(x_2, y_2)$  into the slope formula.

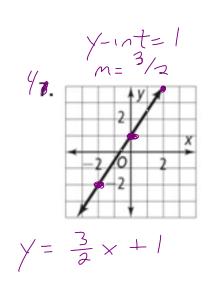
1. (1, 6) and (8, -1)  $\frac{6 - (-1)}{1 - 8} = \frac{7}{-7} = -1$   $\frac{-1 - 6}{8 - 1} = \frac{-7}{-7} = -1$ 

2. ●. (-2, 1) and (8	, -3)		
1-(-3)	- 4	=	2
-2-8	-10		-9

 $\gamma = - + b$ Write an equation for each line.

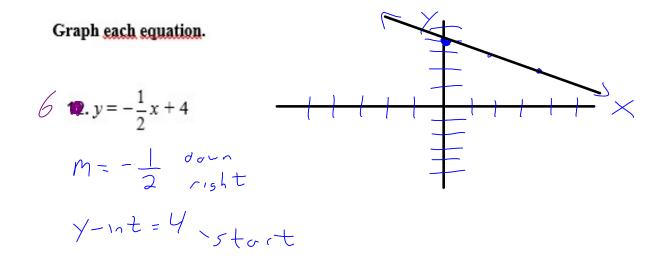
3.  $m = \frac{7}{2}$  and the y-intercept is -5

 $\gamma = \frac{7}{2} \times -5$ 



 $\gamma = m \times + b$ Write each equation in slope-intercept form. Then find the slope and y-intercept of each line. To start, isolate the y-term on one side of the equation.

$$5 \cdot -5y + 2 = -7x = -2$$
  
$$-5y = -7x - 2$$
  
$$-5y = -7x - 2$$
  
$$-5 - 5 - 5$$
  
$$y = \frac{7}{5} \times + \frac{2}{5}$$



 $\gamma = m \times + b$ Graph each equation. Find the slope and y-intercept.

