

## **Graphing Equations in ANY Form**

## Steps:

1) Get equation into Slope-intercept

( $y=mx+b$ ) form

2) Name  $m = \frac{\Delta y}{\Delta x}$

3) Name  $b =$

4) Begin with y-intercept ( $b$ ) on the y-axis

5) Use slope ( $m$ ) to move

**\*\*Positive slope: up and to the right**

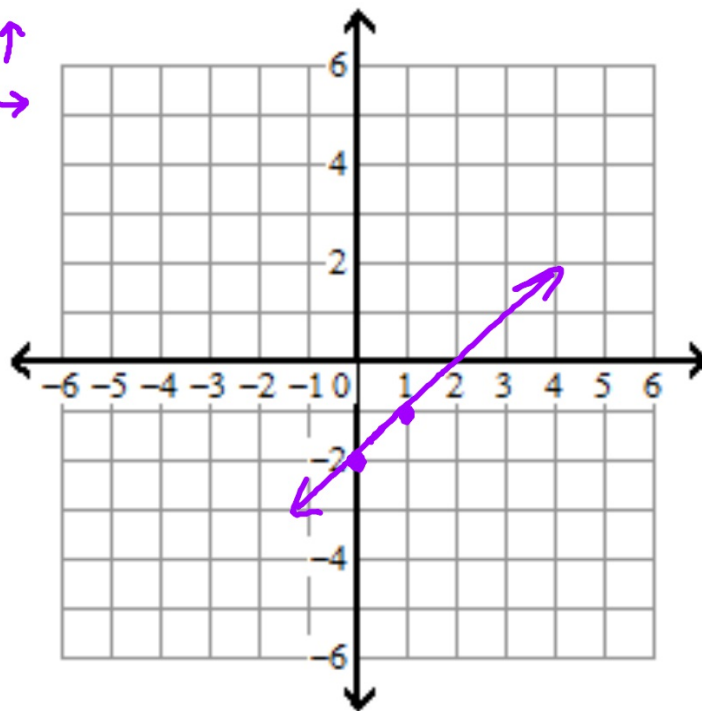
**\*\*Negative slope: down and to the right**

Sketch a graph of the line.

1)  $y = mx + b$   
 $y = x - 2$

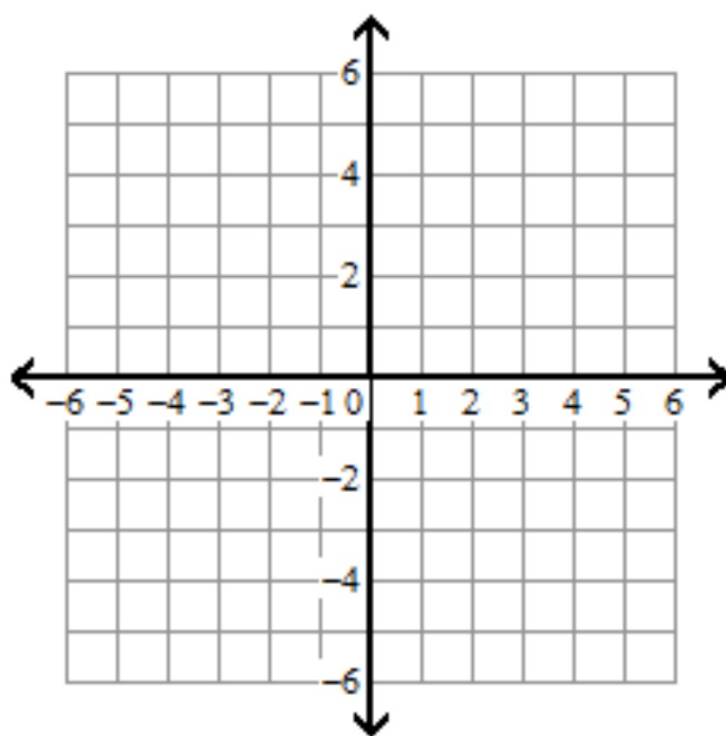
$$m = \frac{\Delta y}{\Delta x} = \frac{1 \uparrow}{1 \rightarrow}$$

$$b = -2$$



Sketch a graph of the line.

$$2) y = -\frac{7}{5}x - 4$$



Sketch a graph of the line.

