

Do NOT move the desk!!
Turn your phone OFF!!
Put your phone up!!
Sit down!!
Be quiet!!
Prepare to work!!
Keep your hands to yourself!!

Softbook Pg 27

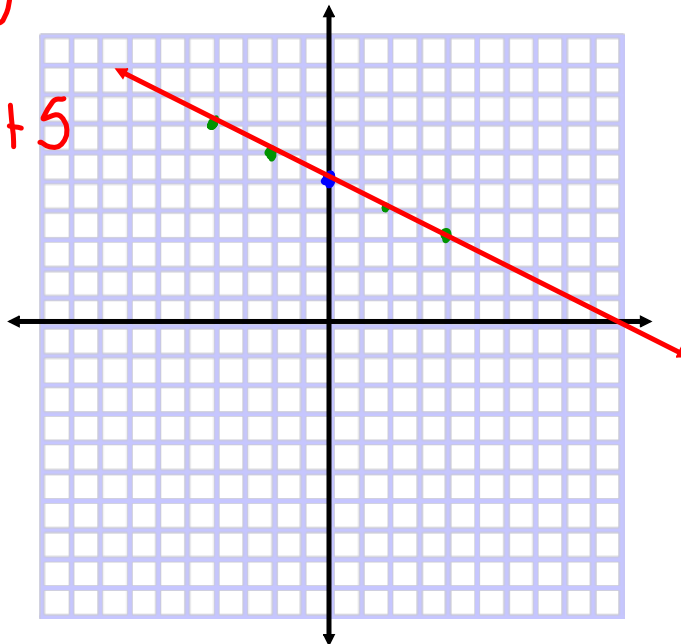
Graphing Linear Equations in Slope-Intercept Form

$$y = mx + b$$

1) $y = -\frac{1}{2}x + 5$

$$m = -\frac{1}{2}$$

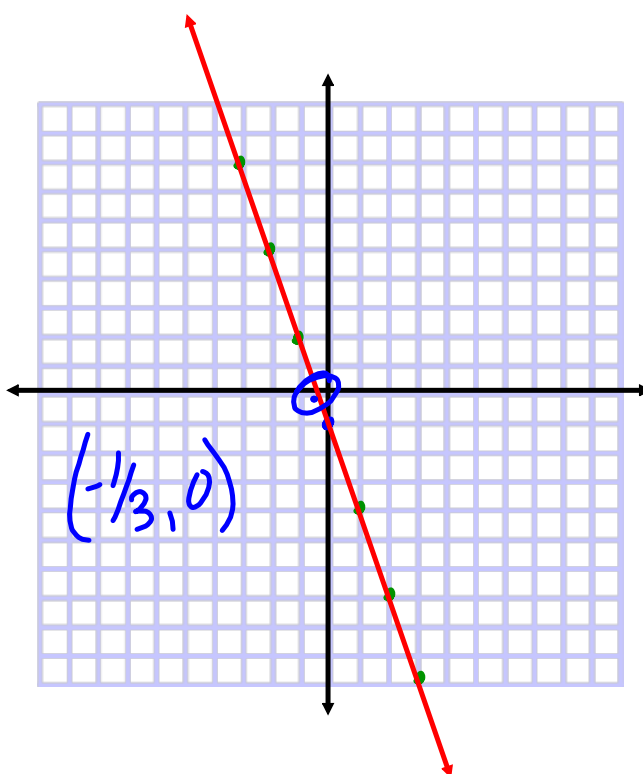
$$b = 5$$



$$2) y = -3x - 1$$

$$m = \frac{-3}{1} = -3$$

$$b = -1$$

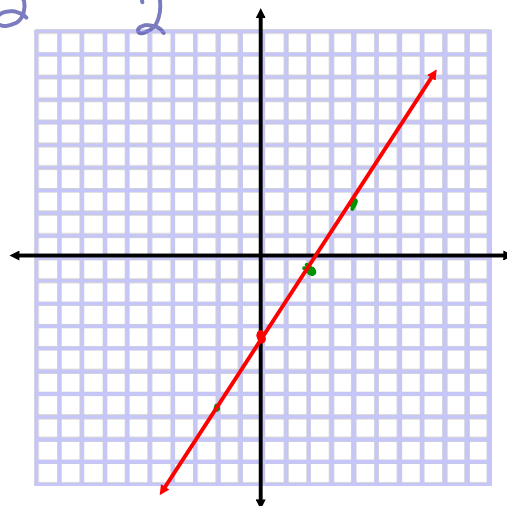


$$\begin{array}{r} \star \quad 2x - y = 4 \\ \quad -2x \quad -2x \\ \hline \quad \quad -y = -2x + 4 \\ \quad \quad \quad -1 \quad -1 \quad -1 \\ \quad \quad \quad y = 2x - 4 \end{array}$$

$$\begin{array}{r} \star \quad 3x - 2y = 7 \\ \quad -3x \quad -3x \\ \hline \quad \quad -2y = -3x + 7 \\ \quad \quad \quad -2 \quad -2 \quad -2 \\ \quad \quad \quad y = \frac{3}{2}x - \frac{7}{2} \end{array}$$

$$m = \frac{3}{2}$$

$$b = -\frac{7}{2} = -3.5$$



Graph the linear Equation

Identify the x-Intercept

ii) $y = x + 3$

