

Bathroom breaks are to be
taken before class!!

Do **NOT** move the desk!!

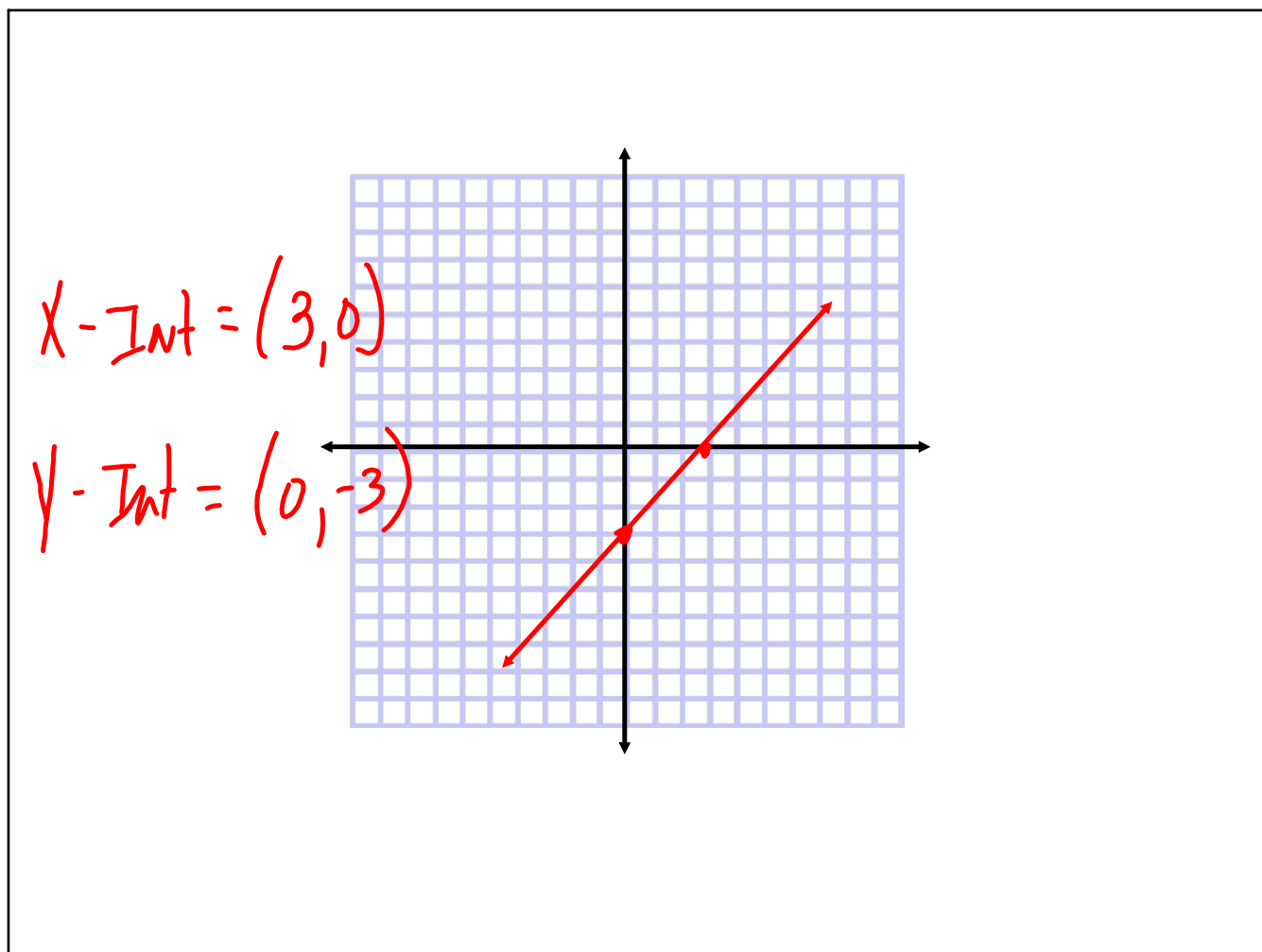
Turn your phone **OFF**!!

Put your phone up!!

Sit down!! Be quiet!!

Prepare to work!!

Keep your hands to yourself!!



18)

$$y = mx + b$$

Pay Per Hour (green) points to m , Set Fee (red) points to b , Dependent (blue) points to y , Independent (blue) points to x .

$$y = mx + b$$

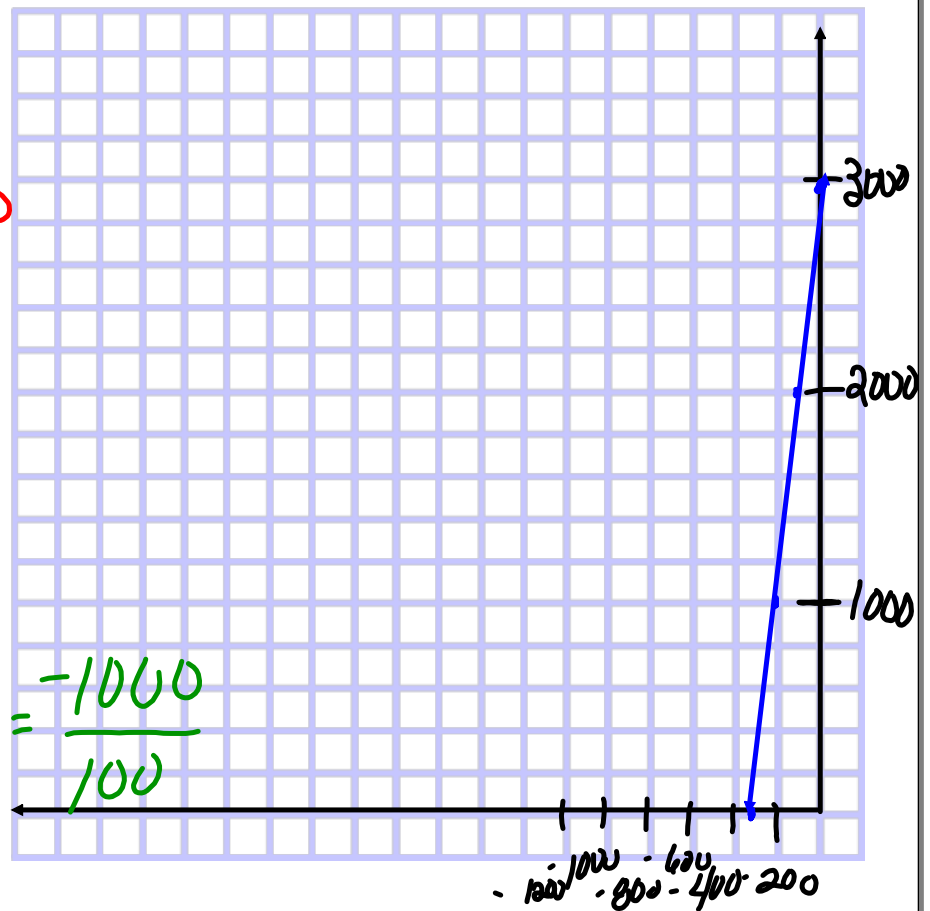
$$y = 0.75x + 5.00$$

$$19) y = -10x + 3000$$

$$m = -10$$

$$b = 3000$$

$$m = \frac{-10}{1} = \frac{-200}{20} = \frac{-1000}{100}$$



$$2) \quad \underline{\quad} x + \underline{\quad} y = \underline{\quad}$$

$$a) \quad y = mx + b$$

$$y = 5x + 3$$

$$\begin{array}{r} -5x \quad -5x \\ \hline \end{array}$$

$$\underline{-5x + y = 3}$$

$$b) \quad y = mx + b$$

$$m = -3$$

Crosses X-axis @
 $x = -1 \Rightarrow (-1, 0)$
 x
 y

$$0 = -3(-1) + b$$

$$0 = 3 + b$$

$$-3 = b$$

$$y = mx + b$$

$$y = -3x - 3$$

$$\begin{array}{r} +3x \quad +3x \\ \hline \underline{3x + y = -3} \end{array}$$

c) Horizontal Line

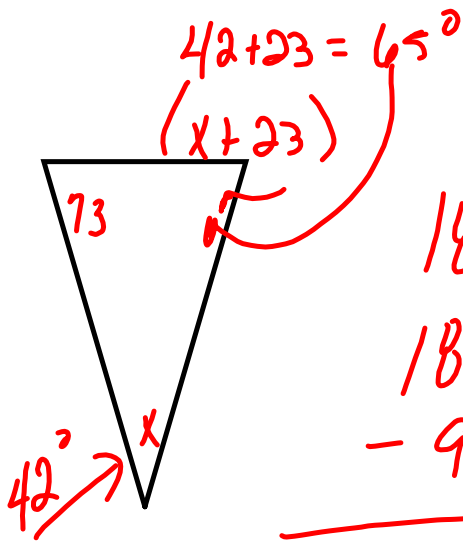
$$y = mx + b$$

$$y = 0x + 7$$

$$y = 7$$

$$\underline{0} \quad \underline{1} \quad \underline{7}$$

25)



$$42 + 23 = 65^\circ$$

$$(x + 23)$$

$$180 = 73 + x + 23 + x$$

$$180 = 96 + 2x$$

$$- 96 \quad - 96$$

$$\underline{84} = \underline{2x}$$

$$2 \quad 2$$

$$42 = x$$

