

Lesson 3-7 $\rightarrow y = mx + b$ from Graphs

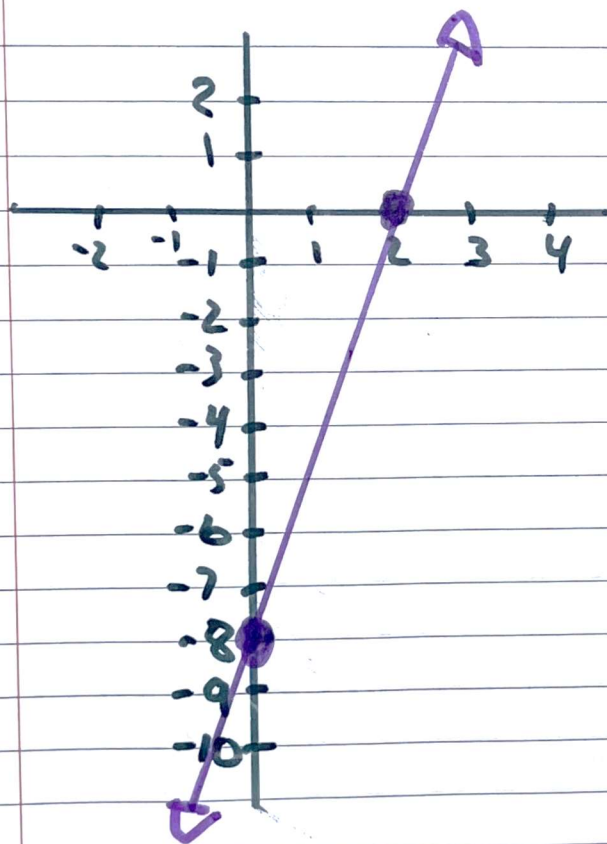
$$y = mx + b$$

stays y

Rise
Run

stays x

y -intercept



y -intercept = -8

$b = -8$

$$\frac{\text{Rise}}{\text{Run}} = \frac{8}{2} = 4$$

$m = 4$

$$y = mx + b$$

$$y = 4x + (-8)$$

$$y = 4x - 8$$