

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

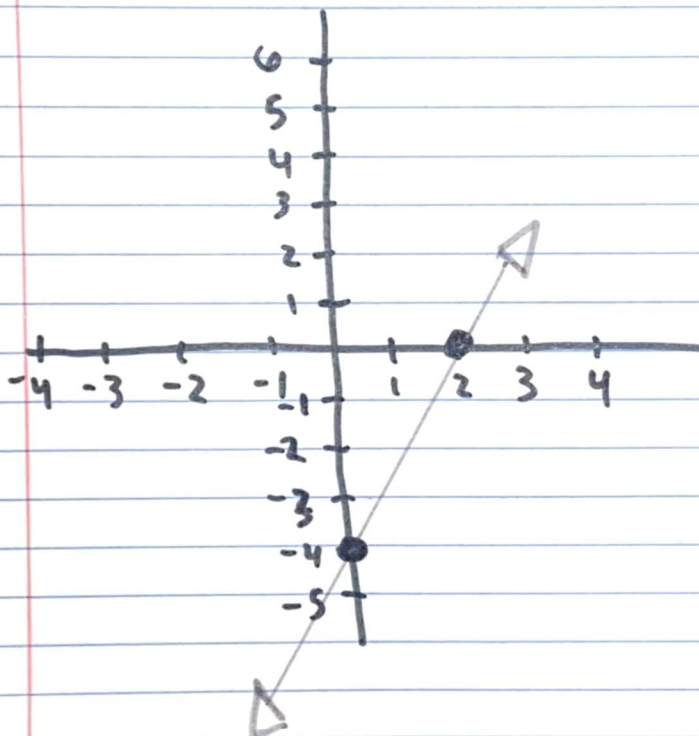
$$y = mx + b$$

↓  
stays y

↓  
Rise  
—  
Run

↓  
stays x

↓  
y-intercept



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

$$y\text{-int} = -4$$

$$y = 2x + (-4)$$

OR

$$y = 2x - 4$$