MDI - Graphing

$$y = 2x - 1$$

1. What is the slope of the above line?

$$\text{Slope} = m = 2 \quad \frac{\text{rise}}{\text{run}}$$

2. What is the y-intercept of the above line?

$$y\text{-intercept} = b = -1$$

Graphing Equations of Lines in slope-intercept form *and killing zombies*

Learning Intentions - I understand how to graph a line in slope intercept form.

Success Criteria - I can accurately graph lines in slope intercept form (4/5 times) on an exit ticket

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SLOPE-INTERCEPT FORM

$$y = mx + b$$

slope

y-intercept

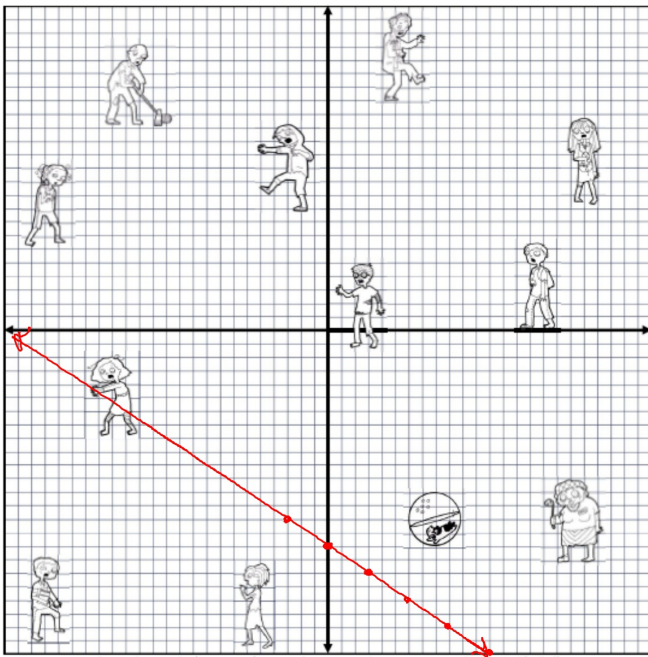**y-intercept:** This is where the graph crosses the y-axis and where we START when we graph.

Slope: This number is the rate of change (rise/run) and shows us how we MOVE when we graph.

Graphing Lines in Slope Intercept Form:

Glue the steps into your notebook and refer to them as you work on

Graphing Lines & Killing Zombies
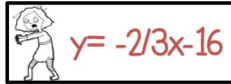
THIS IS HOMEWORK, DUE TUESDAY!

Let's do one to get you started!

y= -2/3x-16

m = $-2/3$ $\frac{-2}{3} = \frac{2}{-3}$
b = -16

Which zombie did you get?

y= -2/3x-16