

## SLOPE-WS

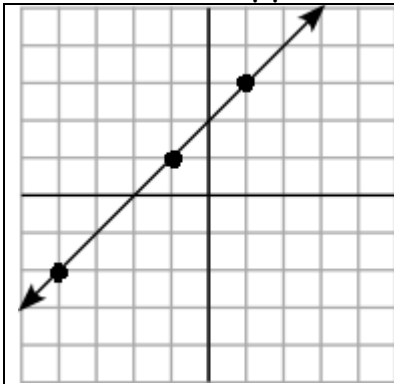
### Notes on Slope:

To write the equation of a Line,  $y = mx + b$  you need two (2) things.

1<sup>st</sup> you need the Slope ( $m$ )—You can get that by using a slope triangle for any two points on the line.

2<sup>nd</sup> you need the y-int ( $b$ )—You can get that by looking at the graph and visually determine where the line crosses the y-axis. (Round to the nearest  $\frac{1}{4}$  unit).

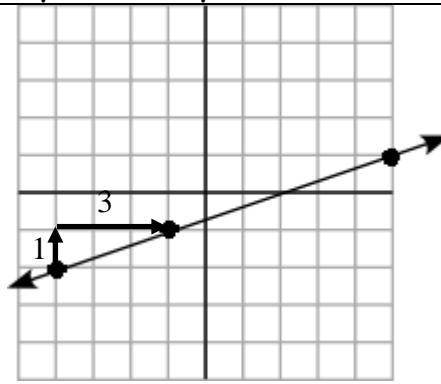
Find the slope of the following lines. First, make a slope triangle and find the ratio. Next, approximate the y-intercept and write the equation of each line.



Method 1:  $\frac{\text{rise}}{\text{run}} =$

y-int: \_\_\_\_\_

Equation: \_\_\_\_\_



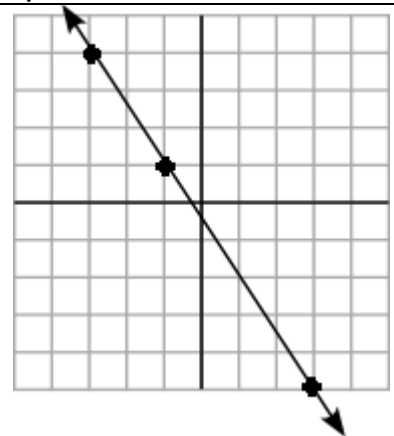
Example:  $\frac{\text{rise} = 1}{\text{run} = 3} = \frac{1}{3}$

It looks like the line crosses the y-axis at about  $-3/4$ .

y-int: \_\_\_\_\_

$$y = \frac{1}{3}x - \frac{3}{4}$$

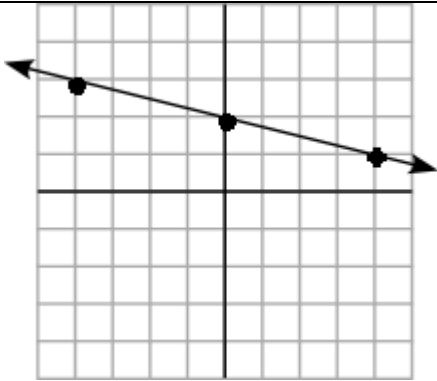
Equation: \_\_\_\_\_



Method 1:  $\frac{\text{rise}}{\text{run}} =$

y-int: \_\_\_\_\_

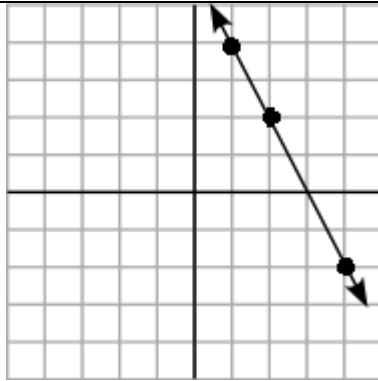
Equation: \_\_\_\_\_



Method 1:  $\frac{\text{rise}}{\text{run}} =$

y-int: \_\_\_\_\_

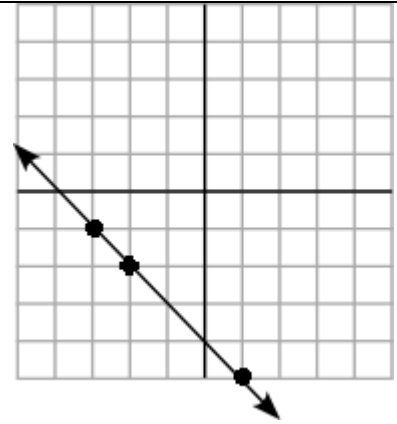
Equation: \_\_\_\_\_



Method 1:  $\frac{\text{rise}}{\text{run}} =$

y-int: \_\_\_\_\_

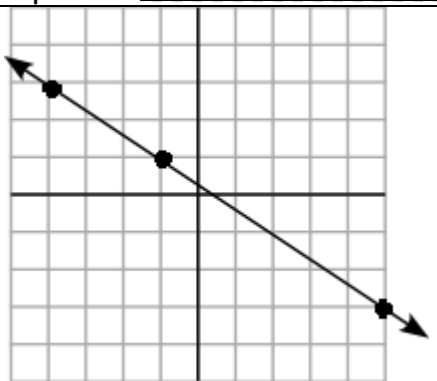
Equation: \_\_\_\_\_



Method 1:  $\frac{\text{rise}}{\text{run}} =$

y-int: \_\_\_\_\_

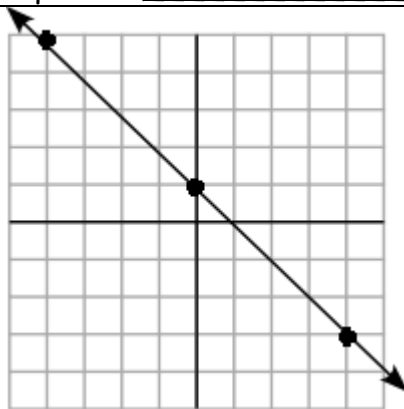
Equation: \_\_\_\_\_



Method 1:  $\frac{\text{rise}}{\text{run}} =$

y-int: \_\_\_\_\_

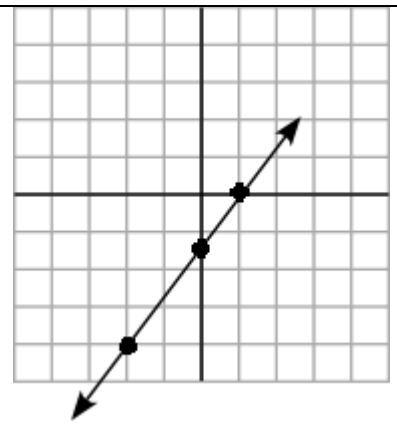
Equation: \_\_\_\_\_



Method 1:  $\frac{\text{rise}}{\text{run}} =$

y-int: \_\_\_\_\_

Equation: \_\_\_\_\_



Method 1:  $\frac{\text{rise}}{\text{run}} =$

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Equation: \_\_\_\_\_