I can find SLOPE (M) from...

Graph	Table	Ordered Pairs	Equation

Graph
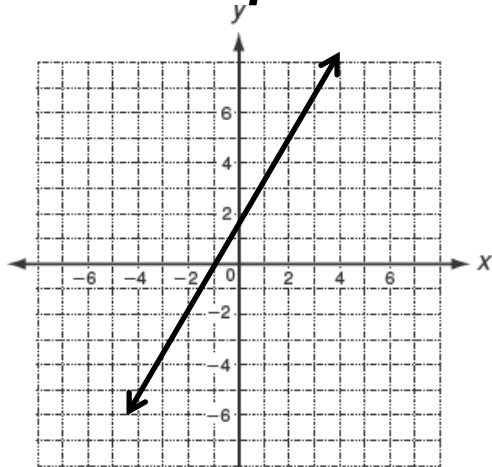
x	$f(x)$
-1	-2
2	4
4	8
5	10
8	16

Ordered Pairs

(2, -3)
(5, -6)

Equation

$y = -2x + 5$

SLOPE (M) | SLOPE (M) | SLOPE (M) | SLOPE (M)

Column 1

$$M = \frac{\text{rise}}{\text{run}}_y = \frac{y's}{x's}$$
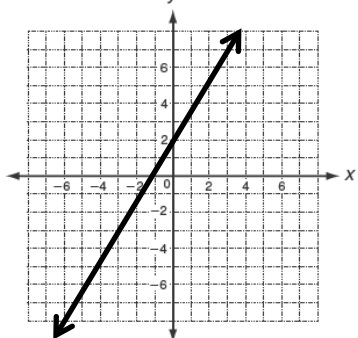
** *Check your slope!* **

Positive Slope

Negative Slope

Column 2

$$M = \frac{\Delta y}{\Delta x} = \frac{\text{change in y}}{\text{change in x}}$$

RATIO – Division!

x	f(x)
-1	-2
2	4
4	8
5	10
8	16

Column 3

$$M = \frac{\Delta y}{\Delta x} = \frac{y - y}{x - x}$$

*Remember, y goes **first** (on top)!*

*This is **opposite** of graphing ordered pairs, where you go x first (x, y).*

Ex: Find the slope of the line that passes through the points (2, -3) (5, -6)

Column 4

Slope-Intercept Form

$$y = Mx + B$$

Equation of a Line!

Ex: Find the slope:
y = -2x + 5

y = ¼x + 3

y = x

Rate of Change   **RATIO**   **Steepness of a Line**