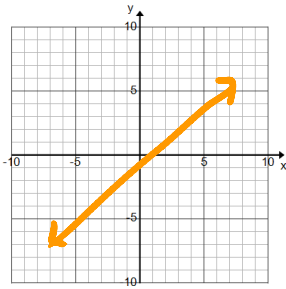


UNIT 3 DAY 15 SLOPE HOMEWORK

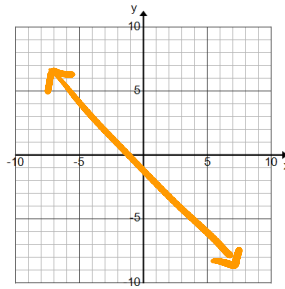


1. Sketch a graph with the given slope for each of the following.

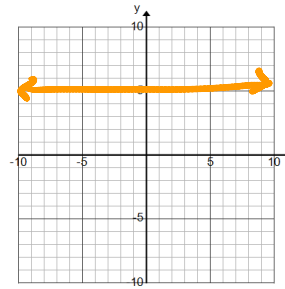
Positive Slope



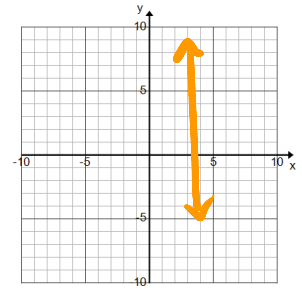
Negative Slope



Zero Slope



Undefined Slope



2. In your own words, what is the formula/definition for slope?

$$\frac{\text{rise}}{\text{run}} = \frac{\Delta y}{\Delta x} = \frac{y_2 - y_1}{x_2 - x_1}$$

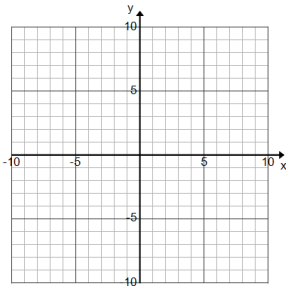
Yes... there is a back ☺

UNIT 3 DAY 15 SLOPE HOMEWORK

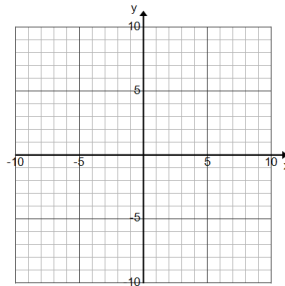


1. Sketch a graph with the given slope for each of the following.

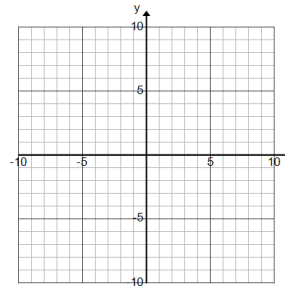
Positive Slope



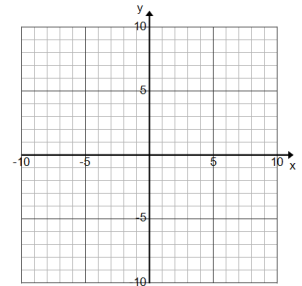
Negative Slope



Zero Slope



Undefined Slope



2. In your own words, what is the formula/definition for slope?

Yes... there is a back ☺

3-5 Find the SLOPE OF the LINE that PASSES THROUGH these TWO POINTS.

3. $(9, 2)$ and $(5, 5)$

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$m = \frac{5 - 2}{5 - 9} = \frac{3}{-4}$$

$$m = \frac{3}{-4}$$

4. $(2, 4)$ and $(-9, 2)$

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$m = \frac{2 - 4}{-9 - 2} = \frac{-2}{-11}$$

$$m = \frac{2}{11}$$

5. $(4, -3)$ and $(4, 1)$

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$m = \frac{1 - (-3)}{4 - 4} = \frac{4}{0}$$

undefined

3-5 Find the SLOPE OF the LINE that PASSES THROUGH these TWO POINTS.

3. $(9, 2)$ and $(5, 5)$

4. $(2, 4)$ and $(-9, 2)$

5. $(4, -3)$ and $(4, 1)$