# Slope!

The steepness of a line is called \_\_\_\_\_!
Circle the line with the biggest slope...

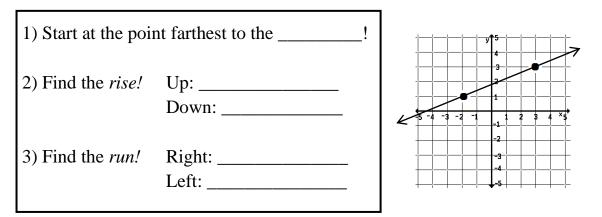
The letter we use for slope is a lowercase \_\_\_\_! Why?! Because it comes from the French word *monter* which means to climb or to rise. FUN FACT!

When given a graph of a line, we need to know a simple definition of slope:

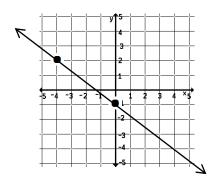


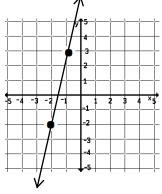
\*\* Slope is the ratio of a line's \_\_\_\_\_ change to its \_\_\_\_\_ change. That's what we mean by *"rise over run"*!

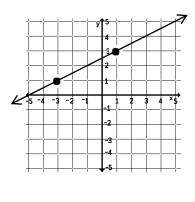
# How to find the slope of a line when given a graph of a line:

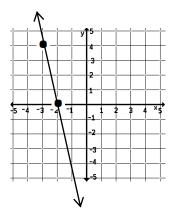


## Find the slope of the following lines!

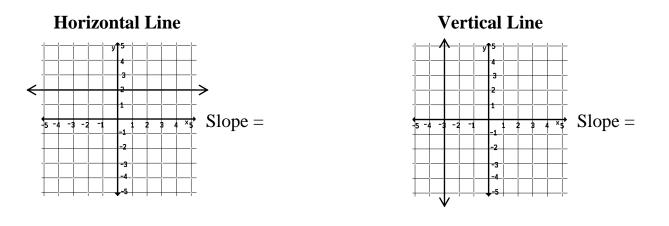




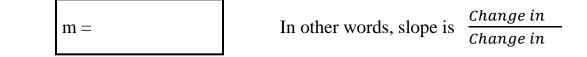




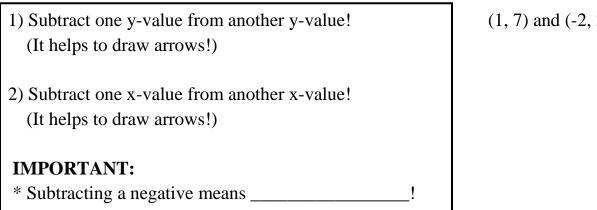
### Horizontal and Vertical Lines...



Sometimes we are not given a picture, but instead we are given 2 points on the line. When this is the case, we must implement another definition of slope:



## How to find the slope of a line when given two points on the line:



Find the slope of the line that passes through each pair of points:

(6, -1) & (4, 2)(4, 3) & (3, -2) (-1, 7) & (-3, 1) (3, 4) & (6, 5)

(1, 7) and (-2, 3)

Slope!

The steepness of a line is called <u>SLOPE</u> !

Circle the line with the biggest slope... ←

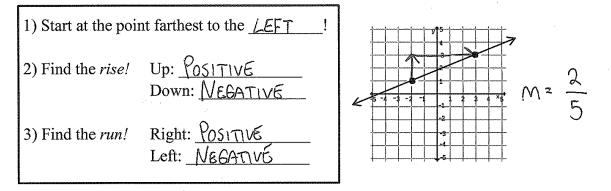
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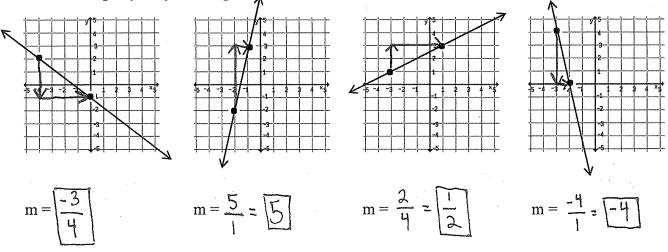


\*\* Slope is the ratio of a line's <u>VERTICAL</u> change to its <u>HORIZONTAL</u> change. That's what we mean by "*rise over run*"!

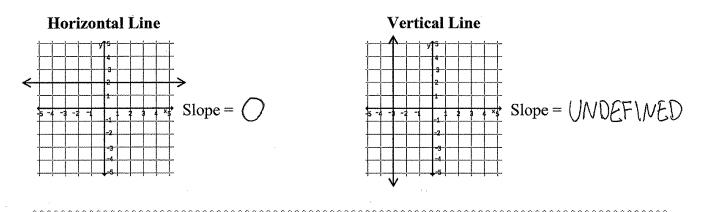
How to find the slope of a line when given a graph of a line:



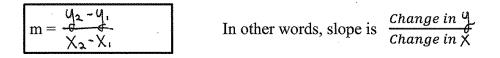
### Find the slope of the following lines!



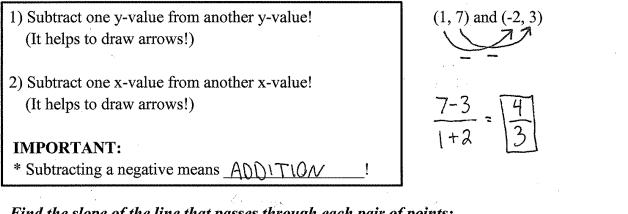
#### Horizontal and Vertical Lines...



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### How to find the slope of a line when given two points on the line:



Find the slope of the line that passes through each pair of points:

