

# Slope Activity

## WHAT IS SLOPE?

\* The ratio of the change in the y-coordinates to the change in the x-coordinates

$$* m = \frac{\text{rise}}{\text{run}}$$

\* Rate of change:

$$\frac{\Delta y}{\Delta x}$$

\* Slope Formula:

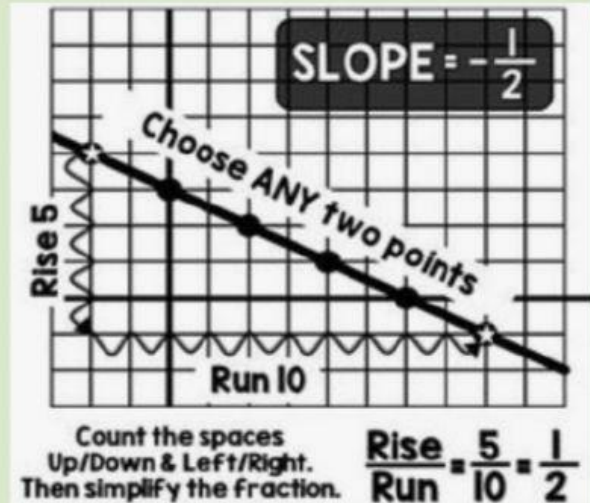
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

## FINDING SLOPE FROM A GRAPH

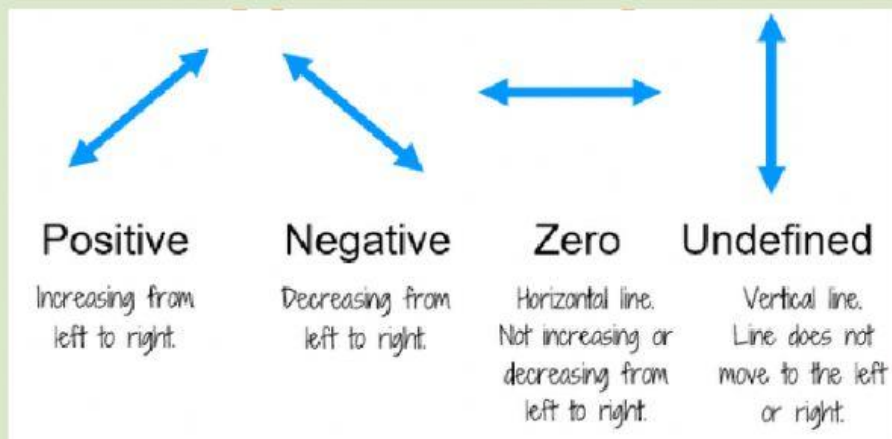
\* Look at the direction of the line:  
"tilted up" : positive slope  
"titled down" : negative slope

\* Choose any two points, count the Spaces Up/Down and Left/Right

\* Simplify the fraction



## TYPES OF SLOPE



# Slope Activity

Find the slope of each line

