Slope!

Slope is ....

the _____ of _____

the _____ of a line

the vertical change (_____) over the horizontal change (_____)

represented by the letter ____

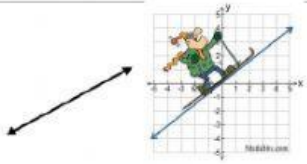
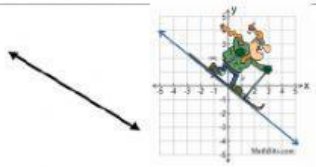
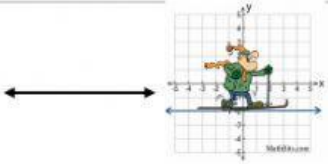
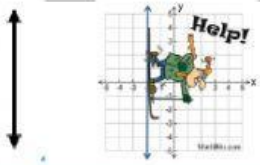
Formulas

Slope

"Change in"

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{\Delta y}{\Delta x} = \frac{\text{Rise}}{\text{Run}}$$

Types of Slope

Type	Description	Picture	Equations Examples
	_____ from left to right		$y = \frac{1}{2}x + 4$
	_____ from left to right		$y = -5x + 1$
	Horizontal _____		$y = 10$
	Vertical _____		$x = \frac{5}{4}$