











$$\mathsf{C.} \quad Slope =$$



Example 3: For the data in the chart, is the rate of change for each pair of consecutive days the same?

Cost of Renting a Computer	
Number of Days	Rental Charge
1	\$60
2	\$75
3	\$90
4	\$105
5	\$120

What does the rate of change represent?

The *slope* of a line is its rate of change.

slope = rate of change = $\frac{change \text{ in the dependent variable}}{change \text{ in the independent variable}} = \frac{\Delta y}{\Delta x}$

SLOPE FORMULA: Given two points on a line (x_1, y_1) and (x_2, y_2) , the slope *m* is the ratio:

$$m = \frac{rise \uparrow}{run \rightarrow} = \frac{y_2 - y_1}{x_2 - x_1}$$

Example 4: Find the slope of the line passing through the given points.

A. (3, 5), (2, 7) B. (-4, -5), (-9, 1)

C. (-2, -3), (-2, 6)

D. (-5, -3), (4, -3)



Homework: Day 2 Slope Worksheet