**CHAPTER 6 LINEAR FUNCTIONS**

**6.1 Slope of a Line**

**Slope** – the measure of how one quantity changes with respect to another

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-calculated by

 $\frac{RISE}{RUN}= \frac{change in vertical distance}{change in horizontal distance}$

 $= \frac{change in y values}{change in x values}$

$$= \frac{y- y\_{1}}{x- x\_{1}}$$

ex.1 Given points (-6,-3) and (4,3) on the same line, calculate the slope.

2. (-4,2) and (5,-1)

\*The higher the number, the steeper the graph.

Looking at graphs…

**Homework**