



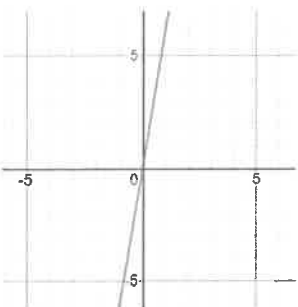
U4 LT5 Slope and Y-intercept Notes

LT 5: SWBAT find the slope and y-intercept of a linear function.

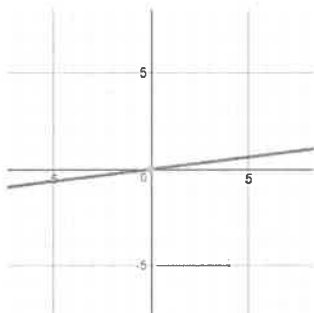
Success Criteria:

Compare the following two graphs.

Graph 1



Graph 2



Describe any similarities and or differences you see between Graph 1 and Graph 2

_____ is the rate of change between any two points on a line. It is the measure of the steepness of the line.

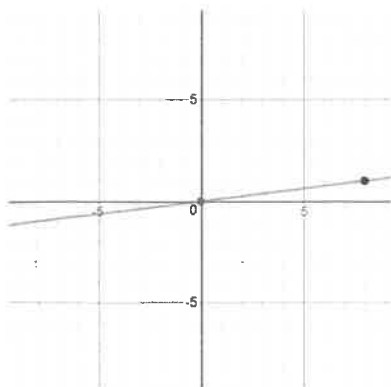
We denote slope as the variable m .

$$m = \underline{\hspace{2cm}}$$

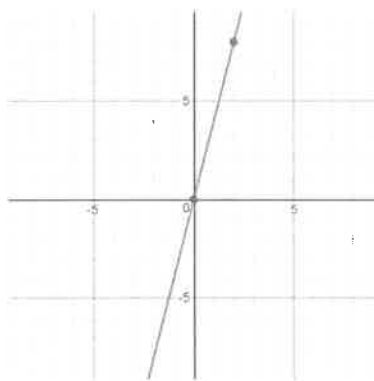
When the line is increasing, the slope is _____.

When the line is decreasing the slope is _____.

Ex 1: Find the slope of the following.

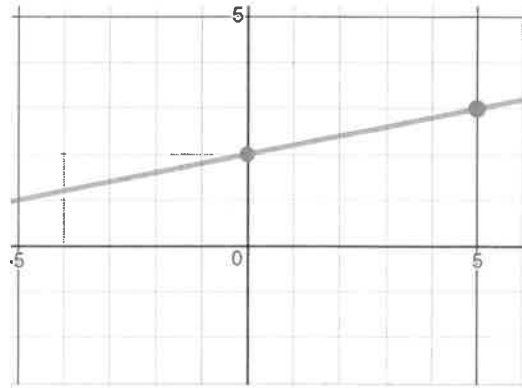


You Try...



y-intercept

Ex 2: Find the y-intercept



Using the green sheet of graphs given, answer the following.

- Sort the cards into two groups: Increasing (positive slope) and decreasing (negative slope)

Increasing (Positive Slope)	Decreasing (Negative Slope)

- Find the slope and y-intercept for each card.

<p style="text-align: center;">Graph A</p> <p>Slope:</p> <p>y-intercept:</p>	<p style="text-align: center;">Graph B</p> <p>Slope:</p> <p>y-intercept:</p>	<p style="text-align: center;">Graph C</p> <p>Slope:</p> <p>y-intercept:</p>	<p style="text-align: center;">Graph D</p> <p>Slope:</p> <p>y-intercept:</p>
<p style="text-align: center;">Graph E</p> <p>Slope:</p> <p>y-intercept:</p>	<p style="text-align: center;">Graph F</p> <p>Slope:</p> <p>y-intercept:</p>	<p style="text-align: center;">Graph G</p> <p>Slope:</p> <p>y-intercept:</p>	<p style="text-align: center;">Graph H</p> <p>Slope:</p> <p>y-intercept:</p>

