


## Concept: Slope of a Line

Name: \_\_\_\_\_


- You should have completed **Graphing – Section 7 Part A: Slope of a Line** before beginning this handout.

### PART B: COMPUTER COMPONENT


**Instructions:** In  follow the **Content Menu** path:

**Graphing > Slope of a Line**

NOTE: Use the **Menu** button in order to get to the lesson where you left off.

 Work through all Sub Lessons of the following Lessons **in order**:

- *Formula*
- *Parallel Lines*
- *Perpendicular Lines*
- *Positive and Negative Slope*
- *Special Slopes*
- *Sketch Line, Given Point and Slope*
- *Slopes of Parallel Lines*
- *Slopes of Perpendicular Lines*

 As you work through the computer exercises, you will be prompted to make notes in your notebook/math journal.

### NOTES

1. **The Formula for Slope of a line** when one is given any 2 points (\_\_\_\_\_, \_\_\_\_\_) and (\_\_\_\_\_, \_\_\_\_\_) on the line is...

**SLOPE** = \_\_\_\_\_ = \_\_\_\_\_

2. **Positive and Negative Slope**

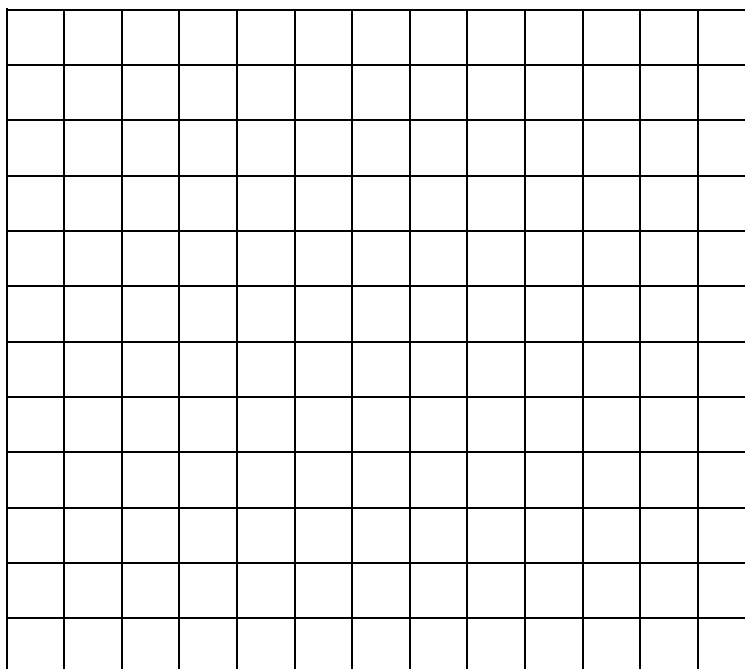
*Describe the slope in the chart below.*

	<b>Positive or Negative</b>	<b>Sketch</b>
<b>Rising to the Right</b>		

<b>Rising to the left</b>		
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### 3. Sketch the Line when given its Slope and a Point on it

Record examples 1 and 2 from Sketch the Line, Given Point and Slope, below.  
*Clearly note the order of the steps taken to draw the line.*



### 4. Slopes of Parallel Lines

Record and *Explain* what you discovered about the slopes of parallel lines.  
*(Include a diagram to help you)*

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### 5. Slopes of Perpendicular Lines

Record and *Explain* what you discovered about the slopes of perpendicular lines.  
(*Include a diagram to help you*)

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