

Name: _____

Date: _____

GeoGebra Slope Activity

1. Use points and line segments to create a simple image of your choice. The image should have about 4 – 8 line segments and the lines should not be exactly horizontal or vertical.
2. The placement of the points and lines on the axes are also important. Some may be on whole numbers such as (3,4) but at least 3 points must contain decimals such as (3.20, 5.45).
3. Once you have created a simple picture, use the coordinates to compute the slope of each line segment. Make sure to show each step of your computations in the table below.

Draw a quick sketch of your drawing here:

Enter your data and show calculations here:

	Coordinates	Calculations ($\Delta y/\Delta x$)	Slope
Line Segment 1			
Line Segment 2			

Line Segment 3			
Line Segment 4			
Line Segment 5			
Line Segment 6			
Line Segment 7			
Line Segment 8			
Line Segment 9			
Line Segment 10			

Questions:

1. Briefly describe the meaning of slope.
2. Briefly describe the two ways we have discussed finding slope and explain which way you like better and why.
3. After using GeoGebra to calculate the slope and comparing with your calculations, how did you do? If you made a mistake, what did you do wrong? Was the mistake a computational mistake or was it because of the technology being used?
4. Did GeoGebra help you visualize and understand slope? Would you like to use GeoGebra in future lessons? Why?