Andrew Schwarz

Math 304

Dr. Olsen

April 19, 2016

Exploration (slope)

**Give directions that will be given to the students**

1. The students will be given access to technology to onto GeoGebra, and will pull up the file.
2. Students will then be given a couple of minutes to maneuver the sliders to just see the change in the line.
3. Students then will be asked to find specific graphs i.e. y=x or y=2x+1.
4. Once students find the specific graph I will ask to see what they have, and ask why it is the way that it is.

**State the property that will be discovered**

The property the students will discover is why slope is rise over run, and why the change of the slope will change the steepness of the line.

**Grade Levels**

8th grade and High school

**CCSSM**

CCSSM: 8.EE.5- graph proportional relationships, interpreting the unit rate as the slop of the graph.