Name			
Date _			

1. Write four different ratios that are equivalent to 1/2 and write their decimal forms. 1/2, \_\_\_\_, \_\_\_\_, \_\_\_\_, \_\_\_\_,

- 2. Using numerators as a values for X and denominators as values for Y, set up a scatter plot on the graphing calculator. Sketch the graph on the grid below.
- 3. Make a prediction about the graph of all ratios that are equivalent to 1/2 and explain your thinking.
- 4. What is the slope of the line that contains these equivalent ratios?
- 5. How does the slope of the line compare to the decimal for each ratio?





- 6. Now write any five equivalent ratios of your own and their decimal forms. What do you predict the graph of these points will look like? Why do you think this?
- Use the numerators and denominators again as X and Y values, and set up a scatter plot on the graphing calculator to show the ordered pairs.
- 8. Make a prediction about the graph of all ratios that are equivalent to your ratios and explain your thinking.
- 9. What is the slope of the line that contains these equivalent ratios?
- 10. How does the slope of the line compare to the decimal for each ratio?
- 11. Why do you think equivalent ratios create linear relations?

