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

## 6.5 Slope

Bell Work: Determine whether or not each relation is a function or not.





Example 1: This graph shows the fuel consumption of a scooter with a full tank of gas at the beginning of a journey.





- Identify the horizontal and vertical intercepts.
  What do they represent?
- 2. Calculate the slope (rate of change). Is it positive or negative?





Example 5: Points A(1, -5) and B(5, 3) are on a line. What is the slope from point A to point B? Who is correct? Why?

Kate:

Johnny:

Ben:

$$slope = \frac{5-1}{3-(-5)} \qquad slope = \frac{3-(-5)}{5-1} \qquad slope = \frac{3-(-5)}{1-5} = \frac{8}{-4} = -2$$

## <u>HW:</u> P. 325 #1, 2, 3ace, 5, 8, 12