Name _____   Date _____
Mrs. Roumbos   Period _____

Functions Vocabulary

1. **Domain** – The set of _____ of a relation. (must be written in numerical order, no repeats)
   Also known as the_____

2. **Range** – The set of _____ of a relation. (must be written in numerical order, no repeats)
   Also known as the _____

3. **Function** – In order for a relationship to be a function, the _____ cannot repeat.
   ** Must pass the _____ line test.

4. **Rate of Change** – Another name for _____.
   ** Two types: **Constant** – When the slopes are _____.

   Variable – When the slopes are _____.

5. **Initial Value** – Another name for _____.

6. **Linear** – A relation in which the graph is a _____, the rate of change is
   _____, and the highest exponent of x is _____.

7. **Nonlinear** – A relation in which the graph is _____ a straight line, the rate of change is
   _____, and the highest exponent of x is _____0 or 1 (can be greater than or less than 1).

8. **Increasing** – A relation is increasing when the rate of change is _____.

9. **Decreasing** – A relation is decreasing when the rate of change is _____.

10. **Constant** – A relation is constant when the rate of change is _____.

11. **Direct Variation** – A relation that is _____, has a _____ ratio, and
    intersects the point _____.

12. A company charges a _____. On a graph, this is represented by the _____.