Chapter 1 Summative Review Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What is an independent quantity? What is a dependent quantity?
2. For each scenario listed below, identify the independent and dependent quantities.
	1. Hector knows there is a relationship between the number of cars he washes and the amount of money he makes for washing them.
	2. David rode his bike to the park, stopped for a few minutes, and then continued on his way to the store.
	3. Angela knows there is a relationship between her grades in school and the number of school days she is absent each marking period.
3. How can you determine if a graph represents a function or not?
4. Tell whether each graph represents a function or not.

a. b. c. d.

1. Circle the correct characteristics for each function family.

Quadratic

Increasing and/or Decreasing

Straight Line Curved Line

Absolute Maximum Absolute Minimum

Has symmetry Does Not have symmetry

Linear

Increasing and/or Decreasing

Straight Line Curved Line

Absolute Maximum Absolute Minimum

Has symmetry Does Not have symmetry

Exponential

Increasing and/or Decreasing

Straight Line Curved Line

Absolute Maximum Absolute Minimum

Has symmetry Does Not have symmetry

Linear Absolute Value

Increasing and/or Decreasing

Straight Line Curved Line

Absolute Maximum Absolute Minimum

Has symmetry Does Not have symmetry

1. Create an equation and sketch a graph for each set of given characteristics.



Equation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Equation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_