Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour \_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Notes 4-6: Functions**

A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a relation in which each element of the \_\_\_\_\_\_\_\_\_\_\_\_\_ is paired with exactly one element of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Directions:** Determine whether each relation is a function. Explain.



**Vertical Line Test**

If no vertical line can be drawn so that it \_\_\_\_\_\_\_\_\_\_\_\_\_\_ the graph more than once, the graph is a function.



**Function Values**

Equations that are functions can be written in a form called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Equation: Function: