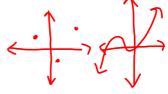
Function Vocabulary Review

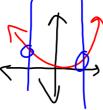
Relation: a set of ordered pairs

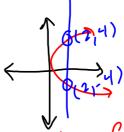
$$\{(-2,3),(0,7)\} \leftarrow$$



<u>Function</u>: a relation in which every input is paired with exactly one output; "x - values do not repeat"

Vertical Line Test A test used to determine if a relation is a function. If any vertical line crosses the graph more than once, the relation is NOT a function.





Domain: set of all possible input values; "x - values"

Range: set of all possible output values; "y - values"

Interval Notation: A way of writing a set of real numbers between two endpoints. The symbols [and] are used to include an endpoint in the interval, and the symbols (and) are used to exclude an endpoint from an interval.

Inequalities
$$x > 3$$

$$-2 < x < 5$$
 (-2, 5)

$$(3,\infty)$$

$$(-2, 5)$$