Notation

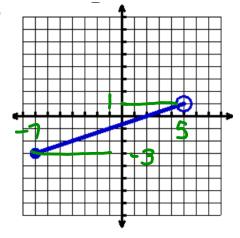
Domain and range can be represented using two notations.

The second type is interval notation.

Interval Notation

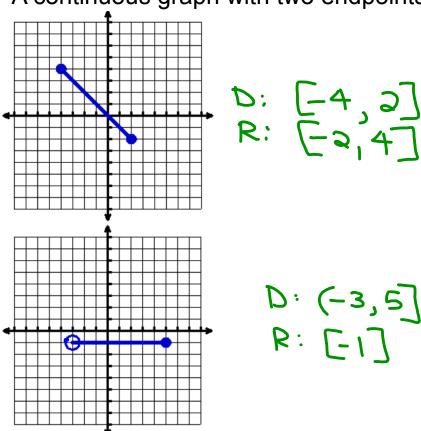
- point is included use [or]
- o point is not included use (or)

If all values use (-∞, ∞)



Types of graphs:

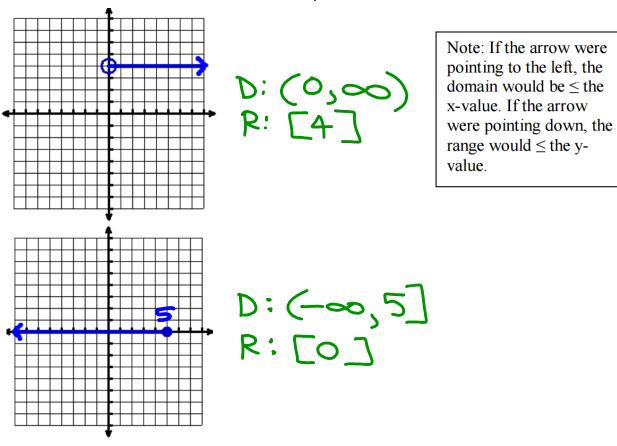
A continuous graph with two endpoints:



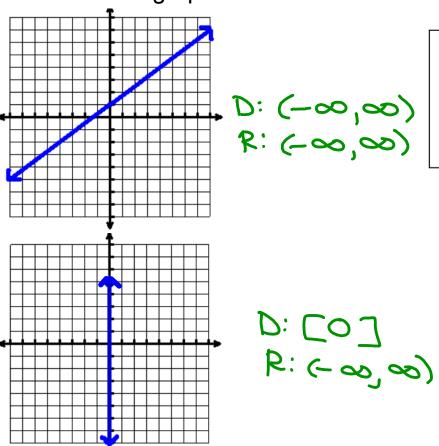
Important Note:

- To find the domain for a graph with two endpoints, always identify the x-values of the point farthest to the left and the point farthest to the right.
- For the range, you want the y-values of the lowest point and the highest point.

A continuous graph with only one endpoint (continues forever in the other direction):



A continuous graph that has two arrows:



Note: If one of the arrows were pointing up and one of the arrows were pointing down, then the range would be all real numbers.