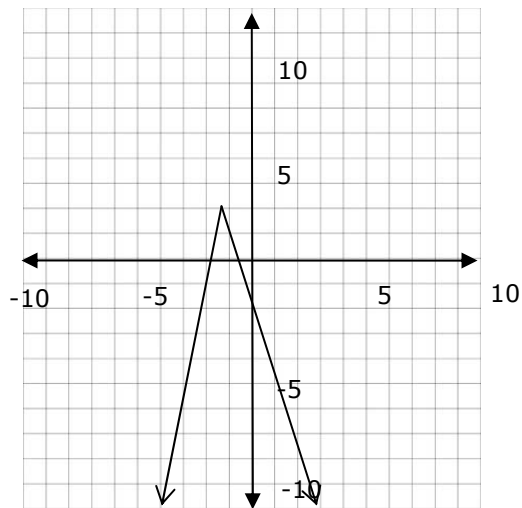


Domains and Ranges of Functions - Guided Lesson Explanation**Explanation#1**

The range of a function is the set of all possible y-values.

The largest y-value on the graph appears below the vertex where y is 2. All the other points on the graph appear below the vertex, where y is less than 2.

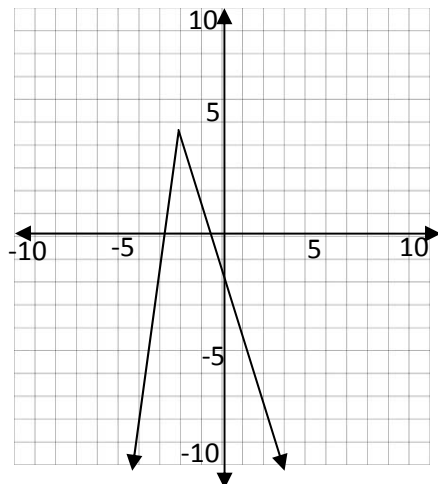


So, the range is the set of all real numbers less than or equal to 2. This can be written as $\{y \mid y \leq 2\}$.

Explanation#2

The range of a function is the set of all possible y-values.

The largest y-value on the graph appears below the vertex where y is 4. All the other points on the graph appear below the vertex, where y is less than 4.



Name _____

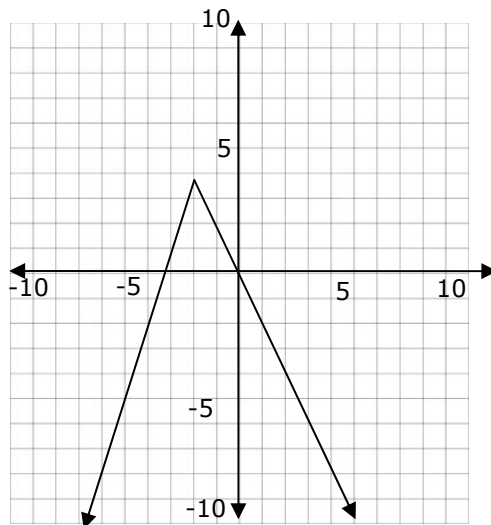
Date _____

So, the range is the set of all real numbers less than or equal to 4. This can be written as $\{y \mid y \leq 4\}$.

Explanation#3

The range of a function is the set of all possible y-values.

The largest y-value on the graph appears below the vertex where y is 3. All the other points on the graph appear below the vertex, where y is less than 3.



So, the range is the set of all real numbers less than or equal to 3. This can be written as $\{y \mid y \leq 3\}$.

