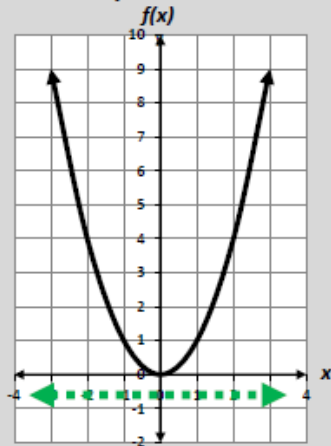


Domain

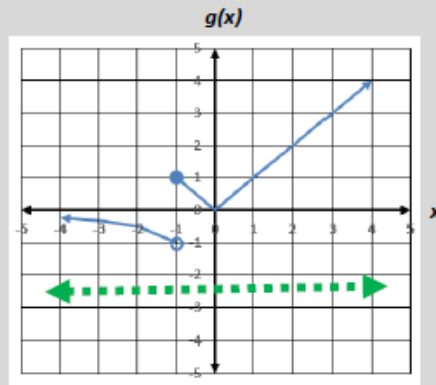
the set of all possible values of the independent variable

Examples:



$$f(x) = x^2$$

The **domain** of $f(x)$ is **all real numbers**.



$$g(x) = \begin{cases} \frac{1}{x} & \text{if } x < -1 \\ x & \\ |x| & \text{if } x \geq -1 \end{cases}$$

The **domain** of $g(x)$ is **all real numbers**.