

Unidad 2 _ Funciones, límites y continuidad

Funciones elementales

1.- Selecciona el dominio de las siguientes funciones:

$$y = 3$$

$$y = -3$$

$$y = x + 3$$

$$y = x - 3$$

$$y = x^2 + 3$$

$$y = x^2 - 3$$

$$y = (x + 3)^2$$

$$y = (x - 3)^2$$

$$y = \sqrt{3x}$$

$$y = \sqrt{-3x}$$

$$y = \sqrt{x + 3}$$

$$y = \sqrt{x - 3}$$

$$y = \sqrt{x} + 3$$

$$y = \sqrt{x} - 3$$

$$y = \frac{3}{x}$$

$$y = \frac{1}{x+3}$$

$$y = \frac{1}{x-3}$$

$$y = \frac{1}{x} + 3$$

2.- Selecciona el recorrido de las siguientes funciones:

$$y = 3$$

$$y = -3$$

$$y = x + 3$$

$$y = x - 3$$

$$y = x^2 + 3$$

$$y = x^2 - 3$$

$$y = (x + 3)^2$$

$$y = (x - 3)^2$$

$$y = \sqrt{3x}$$

$$y = \sqrt{-3x}$$

$$y = \sqrt{x + 3}$$

$$y = \sqrt{x - 3}$$

$$y = \sqrt{x} + 3$$

$$y = \sqrt{x} - 3$$

$$y = \frac{3}{x}$$

$$y = \frac{1}{x+3}$$

$$y = \frac{1}{x-3}$$

$$y = \frac{1}{x} + 3$$