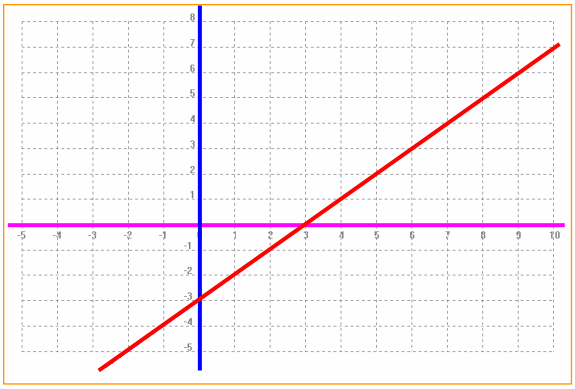
DOMINIO Y RECORRIDO

$$y = x - 3$$

polinomio

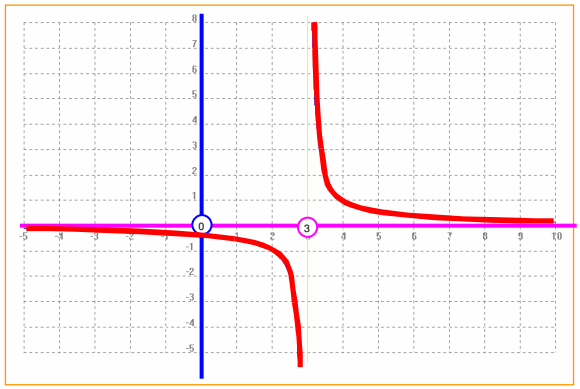


D = $\Re$

R = $\Re$

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

denominador

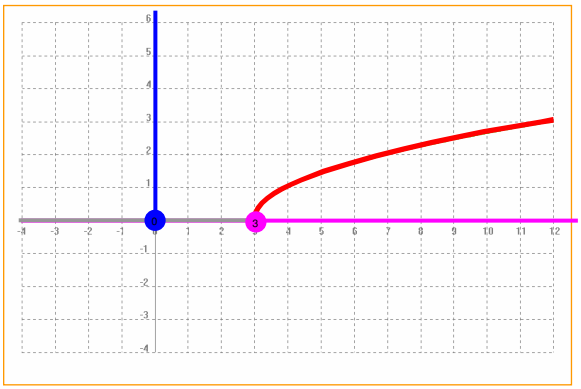


D = $\Re$ – {3}

R = $\Re$ – {0}

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

raíz par

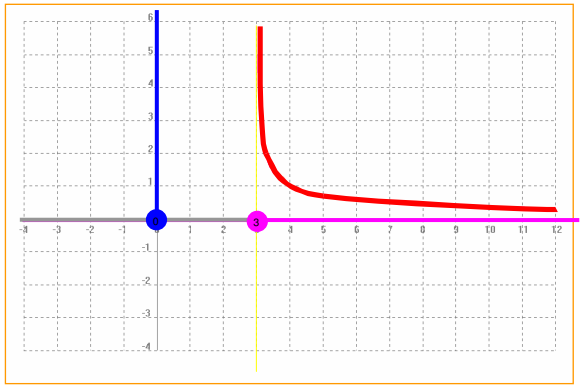


D = [3, ∞)

R = $\Re^+$ U {0} = [0, ∞)

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

raíz par y denominador

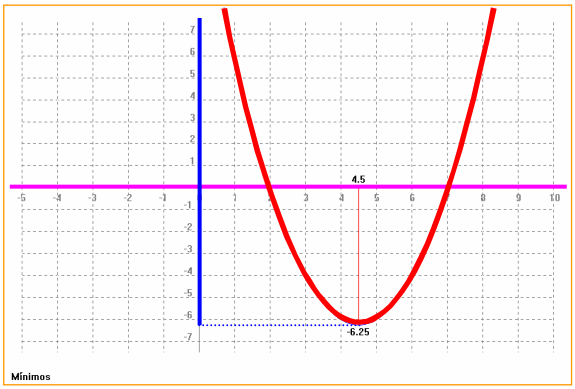


D = (3, ∞)

R = $\Re^+$ = (0, ∞)

$$y = x^2 - 9x + 14$$

polinomio

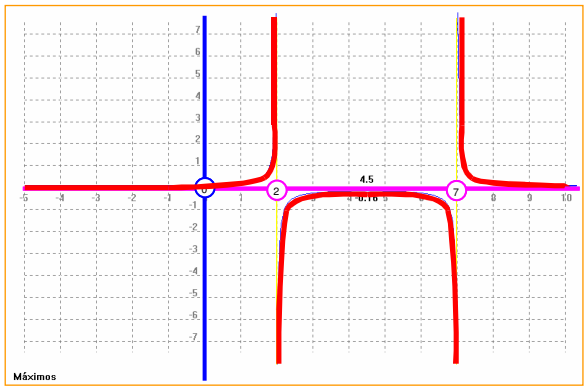


D = $\Re$

R = [−6'25, ∞)

$$y = \frac{1}{x^2 - 9x + 14}$$

denominador

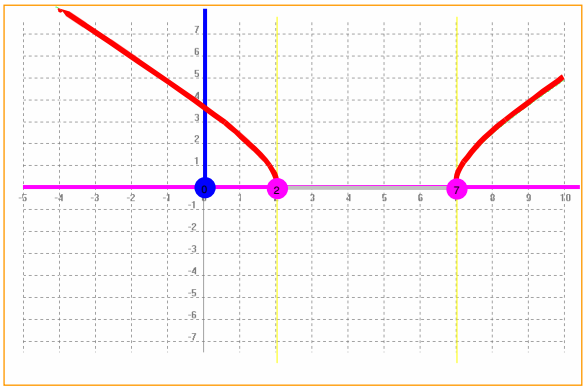


D = $\Re$ - {2, 7}

R = $\Re$ – {0}

$$y = \sqrt{x^2 - 9x + 14}$$

raíz par

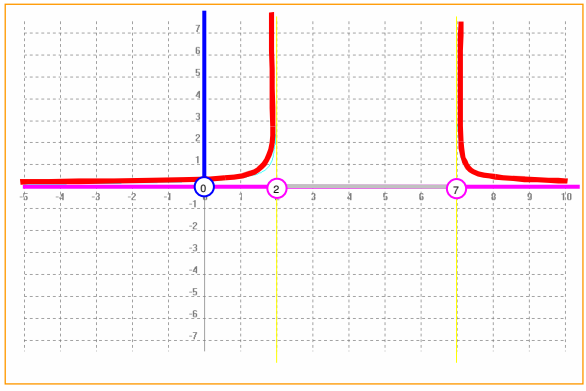


D = $\Re$−(2, 7)=(−∞,2]U[7, ∞)

R = $\Re^+$ U {0} = [0, ∞)

$$y = \frac{1}{\sqrt{x^2 - 9x + 14}}$$

raíz par y denominador

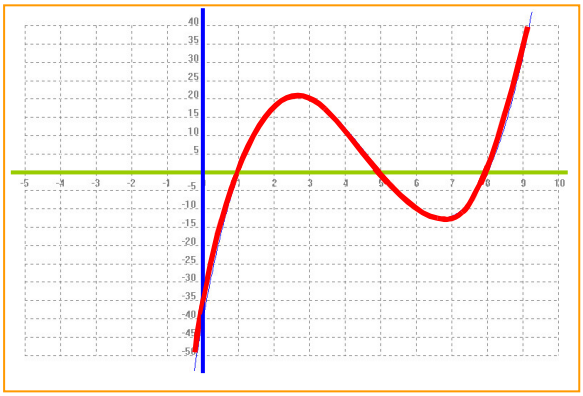


D = $\Re$−[2, 7]=(−∞,2)U(7, ∞)

R = $\Re^+$ = (0, ∞)

$$y = x^3 - 14x^2 + 53x - 40$$

polinomio

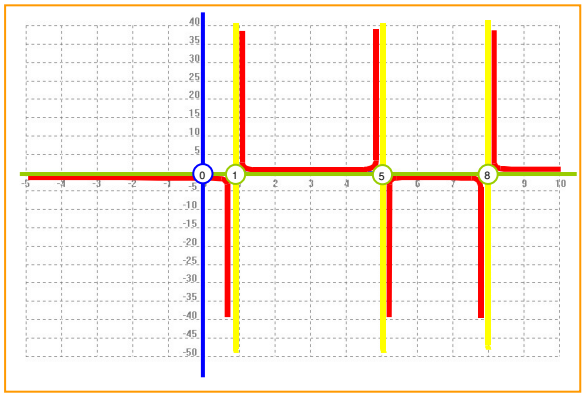


D = $\Re$

R = $\Re$

$$y = \frac{1}{x^3 - 14x^2 + 53x - 40}$$

denominador

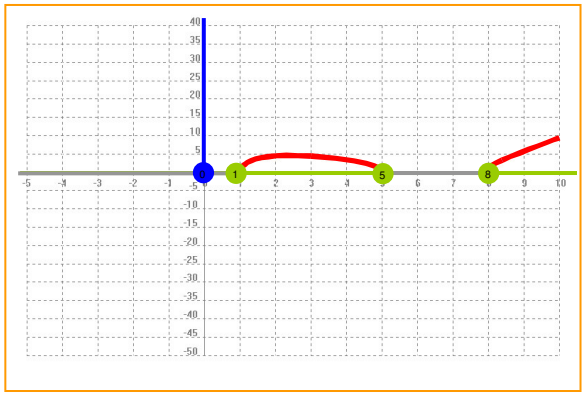


D = $\Re$ - {1, 5, 8}

R = $\Re$ - {0}

$$y = \sqrt{x^3 - 14x^2 + 53x - 40}$$

raíz par

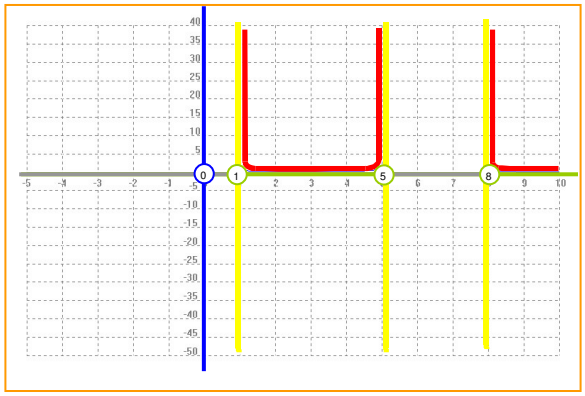


D =[1,5] U [8, ∞)

R = $\Re^+$ U {0} = [0, ∞)

$$y = \frac{1}{\sqrt{x^3 - 14x^2 + 53x - 40}}$$

raíz par y denominador

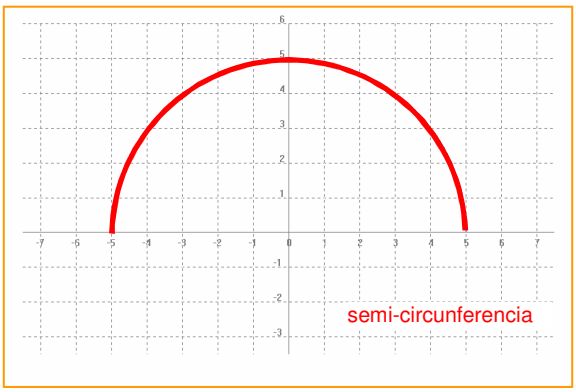


D = (1,5) U (8, ∞)

R = $\Re^+$ = (0, ∞)

$$y = \sqrt{25 - x^2}$$

raíz cuadrada con $-x^2$

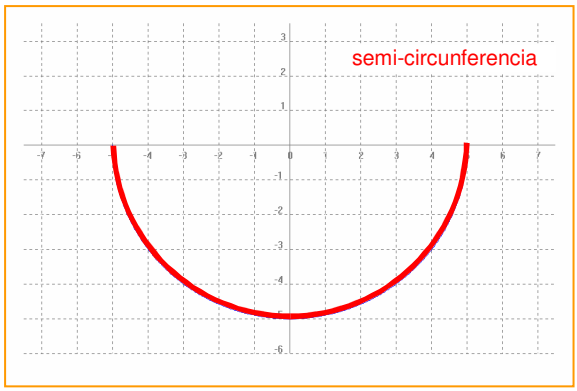


D = [-5, 5]

R = [0, 5]

$$y = -\sqrt{25 - x^2}$$

raíz cuadrada con $-x^2$

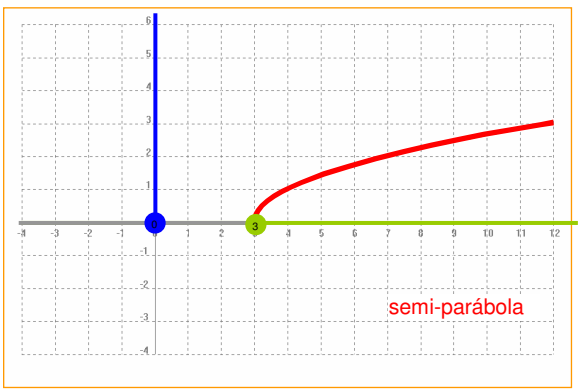


D = [-5, 5]

R = [-5, 0]

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

raíz par, radicando grado 1

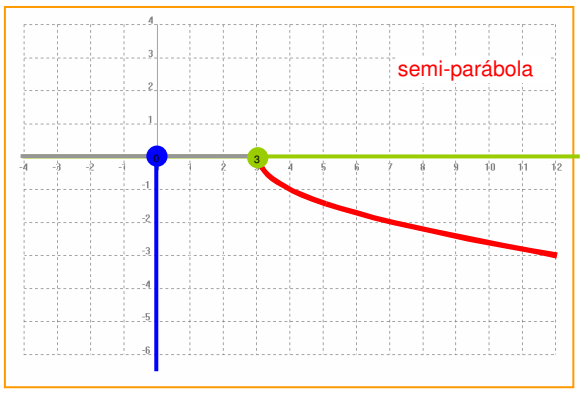


D = [3, ∞)

R = $\Re^+ \cup \{0\}$ = [0, ∞)

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

- raíz par, radicando grado 1



D = [3, ∞)

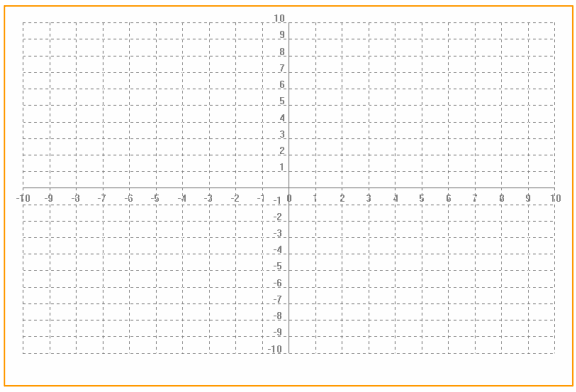
R = $\Re^- \cup \{0\}$ = [0, −∞)

Dibuja la gráfica de estas funciones y escribe y representa su **DOMINIO** y **RECORRIDO**

ejercicios **1**

$$y = x + 2$$

polinomio

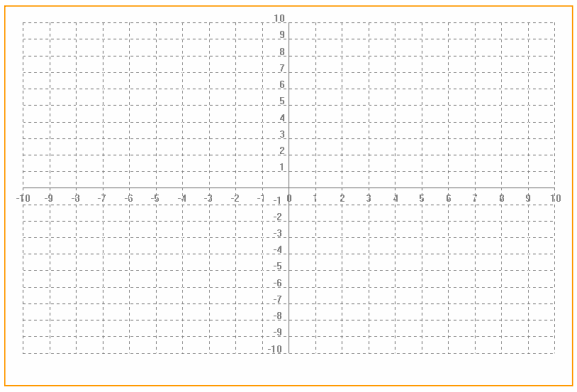


D =

R =

$$y = \frac{1}{x+2}$$

denominador

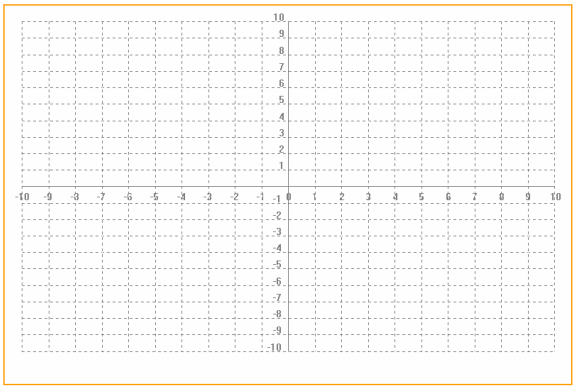


D =

R =

$$y = \sqrt{x+2}$$

raíz par

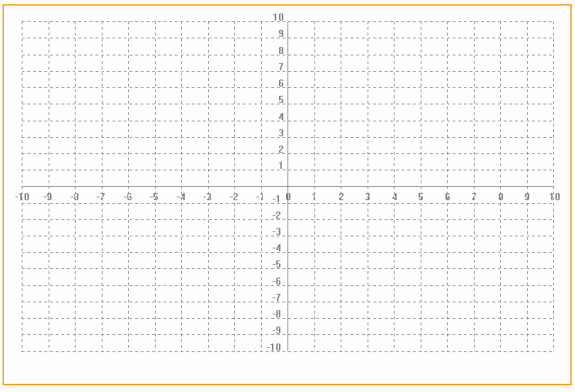


D =

R =

$$y = \frac{1}{\sqrt{x+2}}$$

raíz par y denominador



D =

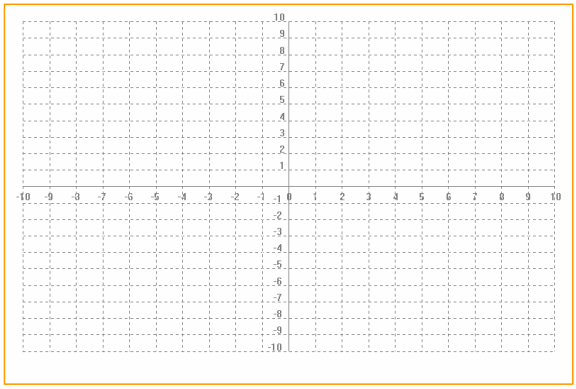
R =

Dibuja la gráfica de estas funciones y escribe y representa su **DOMINIO** y **RECORRIDO**

ejercicios **2**

$$y = -x^2 + 2x + 4$$

polinomio

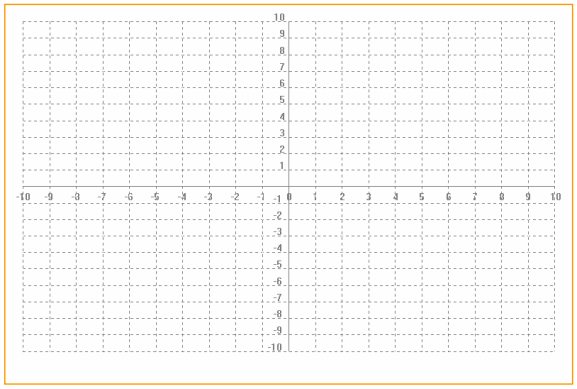


D =

R =

$$y = \frac{1}{-x^2 + 2x + 4}$$

denominador

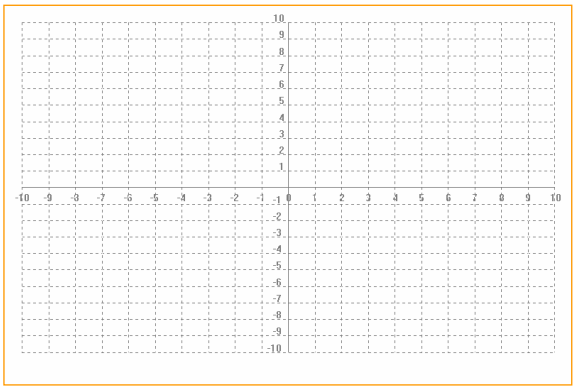


D =

R =

$$y = \sqrt{-x^2 + 2x + 4}$$

raíz par

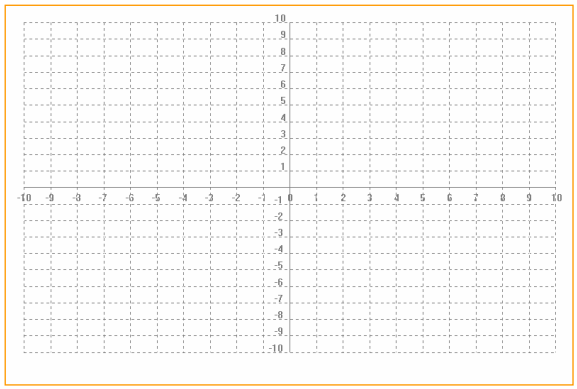


D =

R =

$$y = \frac{1}{\sqrt{-x^2 + 2x + 4}}$$

raíz par y denominador



D =

R =