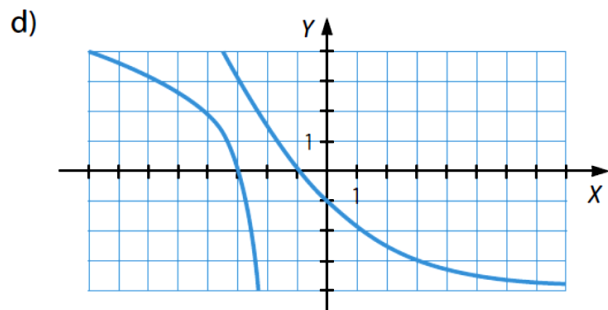
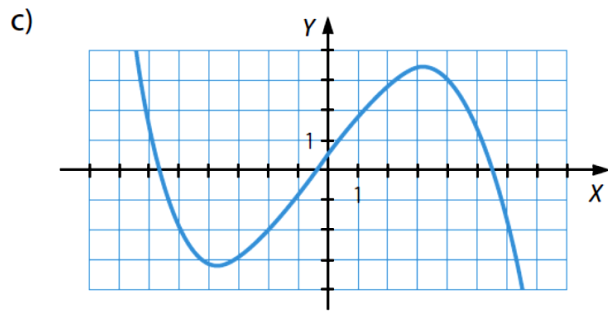
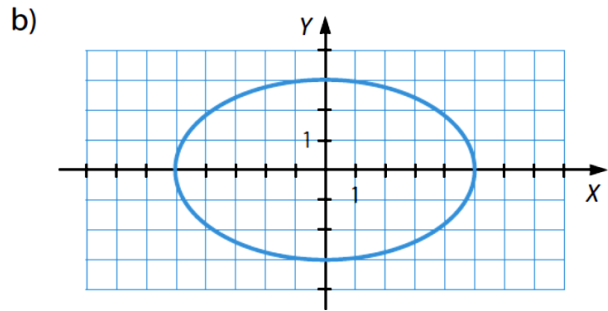
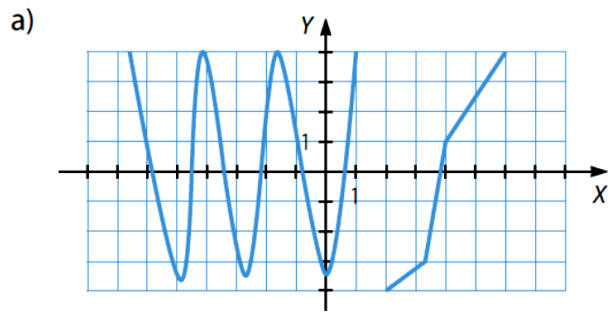


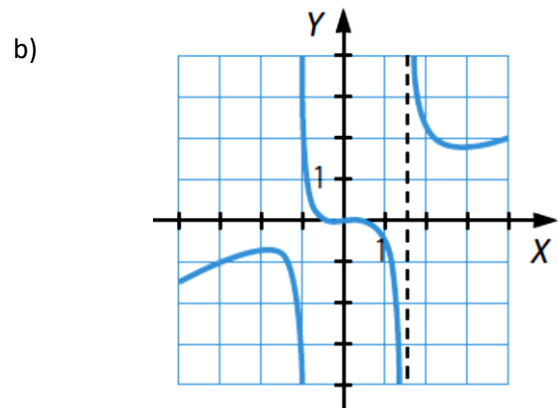
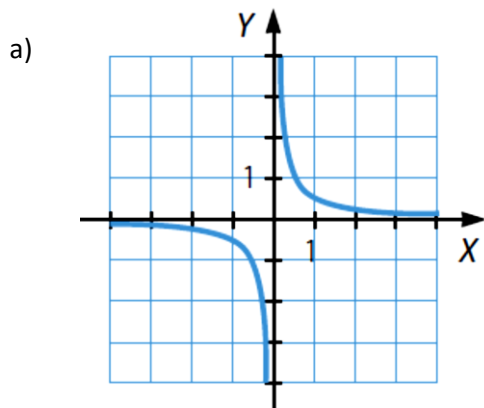
HOJA 1:

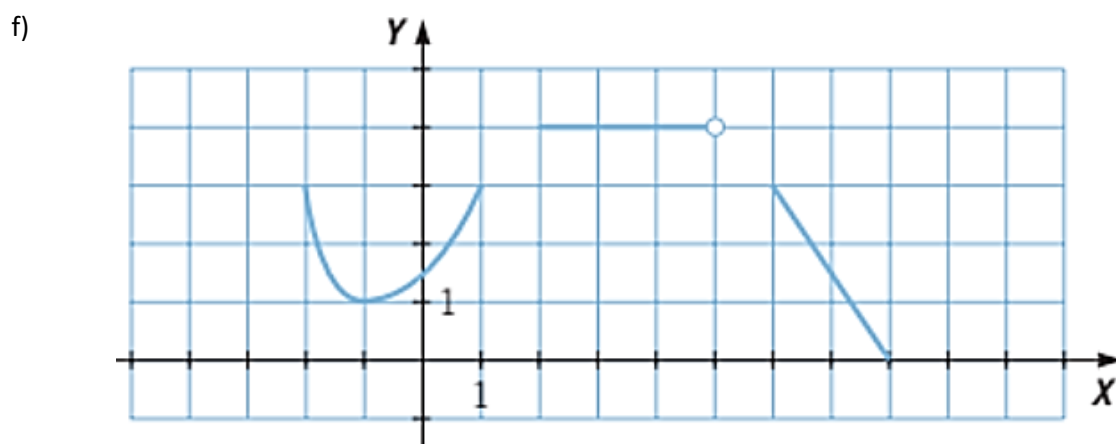
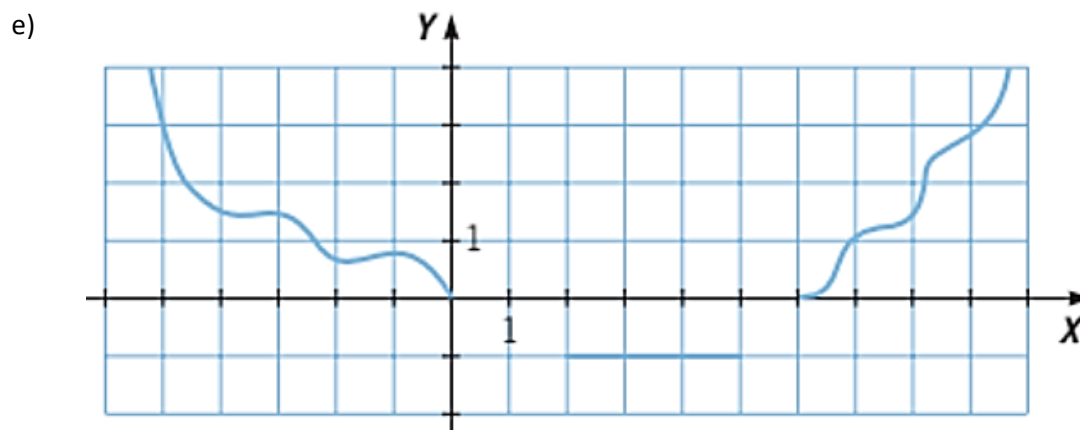
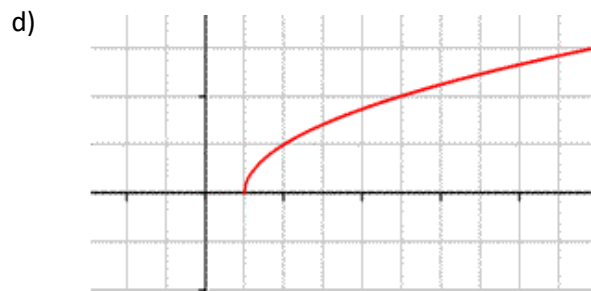
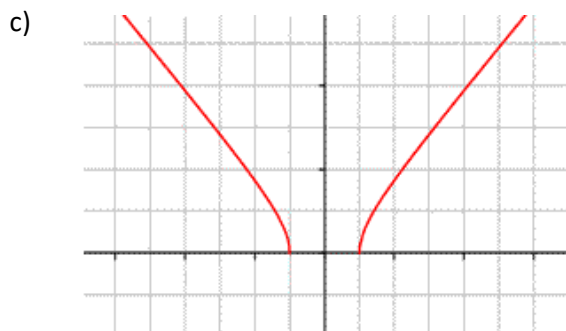
FUNCIÓN. DOMINIO Y RECORRIDO.

1. **Ejercicio.** Indica si las siguientes gráficas pueden corresponder a una función:



2. **Ejercicio.** Indica el dominio y el recorrido de las siguientes funciones:





3. **Ejercicio:** Calcula el dominio de definición de las siguientes funciones

$$b(x) = \sqrt{x^2 - 4x + 4}$$

$$c(x) = \ln(x^2 - 4)$$

$$z(x) = e^{\frac{1}{x-3}}$$

$$f(x) = x^4 - 2x^2$$

$$k(x) = \frac{x^2 + 1}{x^2 - 5x + 6}$$

$$r(x) = \sqrt{x^2 - 9}$$

$$h(x) = \sqrt{\frac{x-2}{x+3}}$$

$$g(x) = \sqrt[3]{\frac{x-1}{x+3}}$$

$$j(x) = \ln(3x - 5)$$

$$s(x) = \frac{-1}{1-x}$$

$$p(x) = \frac{\sqrt{x^2 - 4}}{x-1}$$

$$t(x) = \sqrt[3]{x^2 + 5}$$

$$u(x) = \frac{\sqrt{3x}}{\sqrt{x-4}}$$

$$v(x) = \sqrt[6]{x+2}$$

$$w(x) = \frac{x^2 - 5}{\sqrt{x^2 - 1}}$$