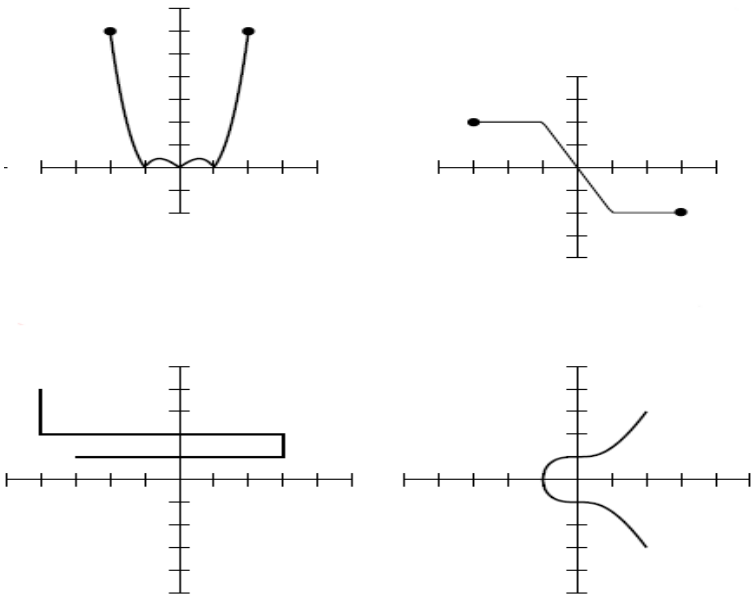
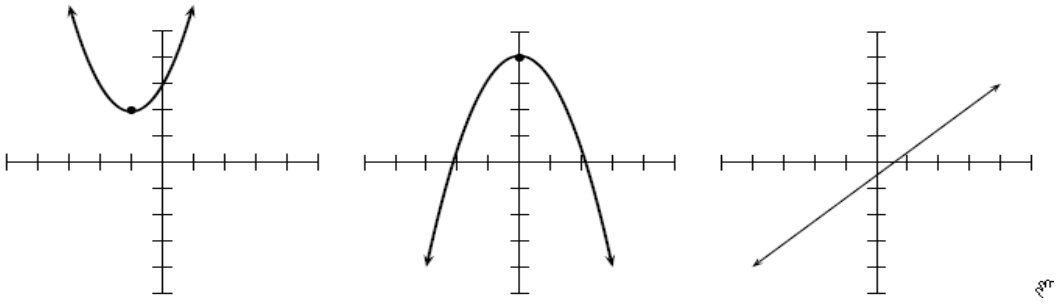
Preliminares sobre Funciones Reales de Una Variable Real
PROBLEMAS

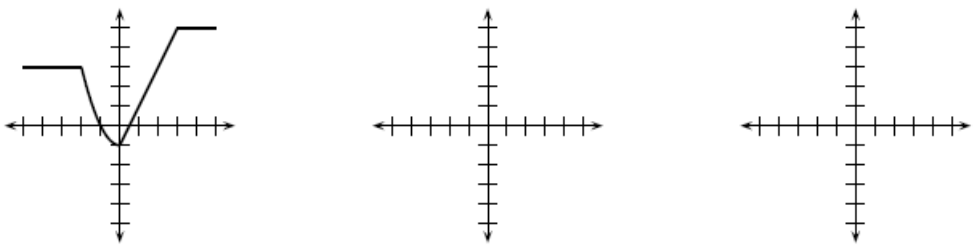
1. Determinar a partir de las siguientes gráficas cuales definen o no una función real de varaiable real.



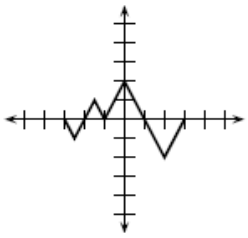
2. Determinar el dominio y el recorrido de las siguientes funciones.



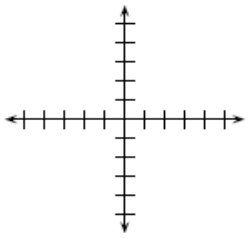
3. Construir a partir de la primera gráfica las siguientes que se piden



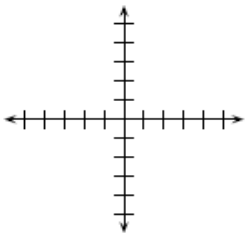
$y = g(x)$. $y = -g(x)$. $y = g(-x)$.



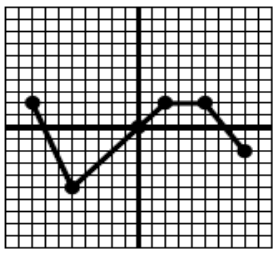
$y = g(x)$.



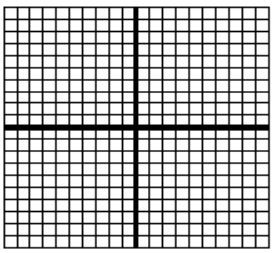
$y = -g(x)$.



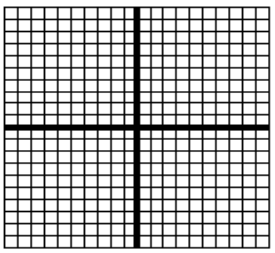
$y = g(-x)$.



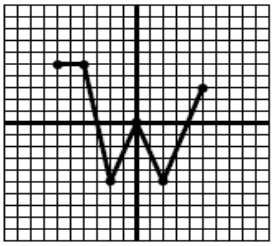
$y = g(x)$.



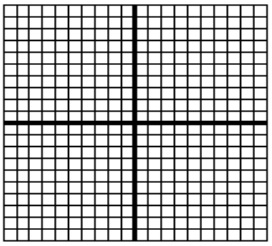
$y = g(x + 1)$.



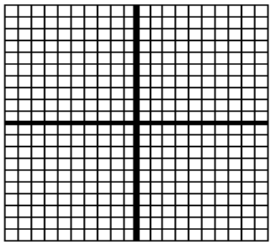
$y = 1 + g(x)$.



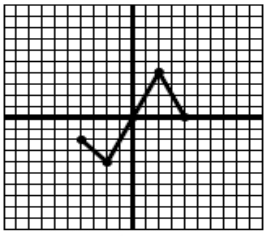
$y = g(x)$.



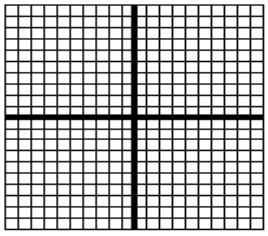
$y = g(x) + 2$.



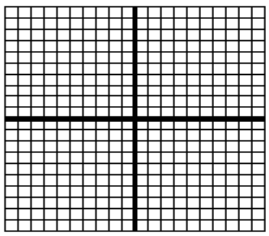
$y = g(x - 2) + 2$.



$y = g(x)$.

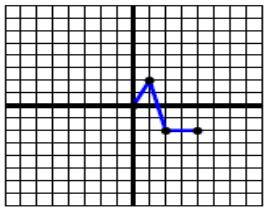


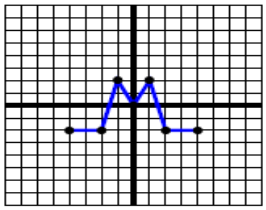
$y = g(x/2)$.

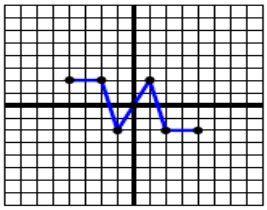


$y = \frac{g(x)}{2}$.

4. Dada una función definida en la mitad derecha o izquierda de la recta real, siempre podemos construir su extensión par o impar de forma que quede definida para todos los reales. Fíjate en el siguiente ejemplo







Realizar la mismas extensiones para las siguientes funciones: