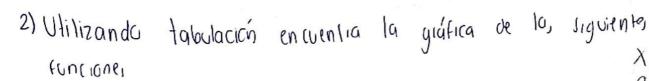
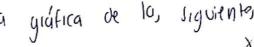
(1) Considere lus siquientes intervalus A = (2,6), B = [4,9), $C = (-\infty,3)$ a) AUB = (2,9) 0 1 2 3 4 5 6 7 8 9 10 11 B = 00 6) ANB = [4,6] 0 1 2 3 4 5 6 7 8 9 10 (AU(= (-0,67 d) Anc = (2,3) A=D (= 13 An(= D el BUC = (-8,9) -2 1 2 8 4 5 6 7 8 4 10 11 B= M

C= (1)

F/BNC- Vacio

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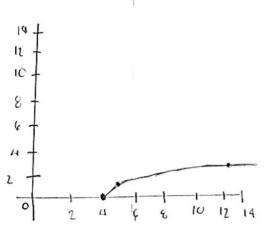
$$al\sqrt{x-4}$$

$$O(x) \neq (x) = \sqrt{x-4}$$

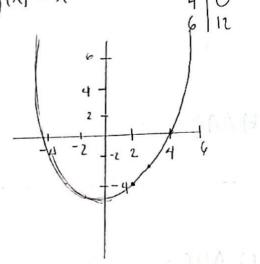
b)
$$g(x) = x^2 - 4x$$

$$\begin{array}{c|c} X & X^2 - 4x \\ 2 & -4 \\ 3 & -3 \\ 4 & 0 \end{array}$$

$$\begin{array}{c|cccc} x & \sqrt{x-4} \\ 4 & 0 \\ 5 & 1 \\ 13 & 3 \end{array}$$



(a)
$$f(x) = \sqrt{x-4}$$
 (b) $g(x) = x^2 - 4x$ (c) $g(x) - x^2 - 4x$



3) (alculor el dominio de los siguientes funciones

$$a|f(x) = 6$$

 $x - 4$ y $b|g(x) = \sqrt{2 - x}$

$$A: \mathbb{R} \longrightarrow \mathbb{R}$$

$$f(x) = \frac{6}{x-4}$$

$$D_F = \mathbb{R} - \left\{4\right\}$$

$$b: \mathbb{R} \longrightarrow \mathbb{R}$$

$$g(x) = \sqrt{2-x}$$

$$D_g = \left[-0^{n}/2\right]$$

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4) Calcular et dominio de la función
$$f(x) = \frac{3x}{x^2 - x(9)}$$

G: $||R| \rightarrow |R|$
 $||R| \rightarrow |R|$
 $||E| \rightarrow |R|$
 $|E| \rightarrow$

$$\begin{array}{ll} Q: |R \longrightarrow |R \\ Q(x) = 0 \end{array} \qquad \begin{array}{ll} Q = [0, \infty) \\ Q(x) = 0 \end{array} \qquad \begin{array}{ll} Q = [0, \infty) \\ Q = |R \\ Q(x) = 0 \end{array} \qquad \begin{array}{ll} Q = [0, \infty) \\ Q = |R \\ Q(x) = 0 \end{array} \qquad \begin{array}{ll} Q = [0, \infty) \\ Q = [0, \infty) - [x \in |R| \times -2 = 0] \end{array} \qquad \begin{array}{ll} Q = [0, \infty) \\ Q = [0, \infty) - [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty) \\ Q = [0, \infty) - [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty) \\ Q = [0, \infty) - [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty) \\ Q = [0, \infty) - [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty) \\ Q = [0, \infty) - [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty) \\ Q = [0, \infty) - [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty) \\ Q = [0, \infty) - [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty) \\ Q = [0, \infty) - [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty) \\ Q = [0, \infty) - [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty) \\ Q = [0, \infty) - [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty) \\ Q = [0, \infty) - [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty) \\ Q = [0, \infty) - [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty) \\ Q = [0, \infty) - [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty) \\ Q = [0, \infty) - [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty) \\ Q = [0, \infty) - [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty) \\ Q = [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty) - [0, \infty] \\ Q = [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty] \\ Q = [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty] \\ Q = [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty] \\ Q = [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty] \\ Q = [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty] \\ Q = [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty] \\ Q = [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty] \\ Q = [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty] \\ Q = [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty] \\ Q = [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty] \\ Q = [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty] \\ Q = [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty] \\ Q = [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty] \\ Q = [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty] \\ Q = [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty] \\ Q = [0, \infty] \\ Q = [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty] \\ Q = [0, \infty] \\ Q = [0, \infty] \end{array} \qquad \begin{array}{ll} Q = [0, \infty] \\ Q = [0, \infty] \\$$

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7) Si
$$f(x) = x^2 - x$$
, $g(x) = \sqrt{x-1}$ y $h(x) = \frac{6}{3x-4}$
encuentie log funciones

a) 9 0 F

$$(90f)(x) = 9(f(x)) = 9(x^2-x) = \sqrt{(x^2-x)-1}$$

6) fog (x) = f(g(x)) = f(
$$\sqrt{x-1}$$
) = $(\sqrt{x-1})^2 - (\sqrt{x-1})^2 - (\sqrt{x-$

(8) Si
$$f(x) = x^2 - x$$
, $g(x) = \sqrt{x} - 1$ $y h(x) = \frac{c}{3x - 4}$
encuentie los funciones

a) foh

$$(f \circ h)(x) = f(h(x)) = f(\frac{6}{3x-4}) = (\frac{6}{3x-4})^2 - \frac{6}{3x-4} = \frac$$

$$|y| = |y| = |y|$$