

1) A partir de una tabla de valores estima los siguientes límites:

i) $\lim_{x \rightarrow 5} (3x - 4)$

ii) $\lim_{x \rightarrow -3} (6x - 4)$

iii) $\lim_{x \rightarrow 1} \frac{3x^2 - 3}{2x - 2}$

iv) $\lim_{x \rightarrow -1} \left(\frac{2x^2 + 10x + 8}{x^2 - 1} \right)$

v) $\lim_{x \rightarrow 3} f(x)$ si

$$f(x) = \begin{cases} 4x + 3, & \text{si } x \geq 3 \\ 2x^2 - 3, & \text{si } x < 3 \end{cases}$$

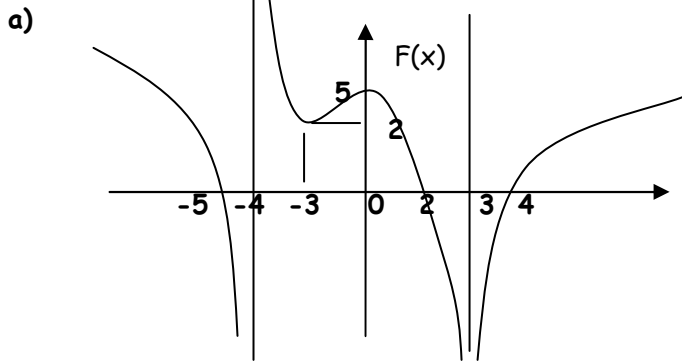
vi) $\lim_{x \rightarrow -1} \left(\frac{4x}{x^2 + 2x + 1} \right)$

vii) $\lim_{x \rightarrow 2} \left(\frac{5x + 2}{x^2 - 4x + 4} \right)$

viii) $\lim_{x \rightarrow -4} f(x)$ si

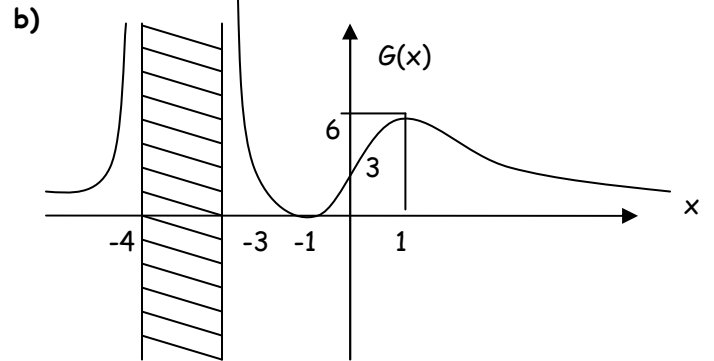
$$f(x) = \begin{cases} 2x - 2, & \text{si } x \leq -4 \\ x^2 + 1, & \text{si } x < -4 \end{cases}$$

2) Completa a partir de los gráficos:



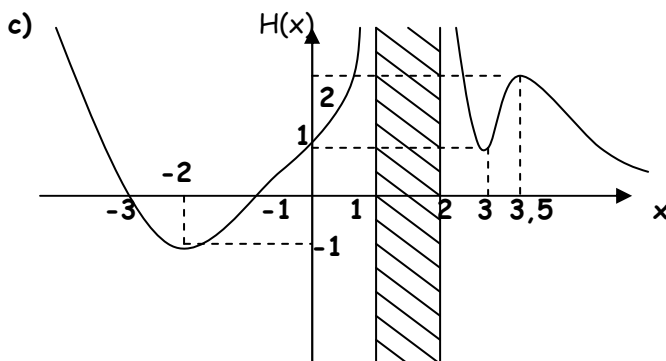
$\lim_{x \rightarrow -4} F(x) = \dots$, $\lim_{x \rightarrow -3} F(x) = \dots$, $\lim_{x \rightarrow 3} F(x) = \dots$

$\lim_{x \rightarrow 0} F(x) = \dots$, $\lim_{x \rightarrow -\infty} F(x) = \dots$, $\lim_{x \rightarrow +\infty} F(x) = \dots$



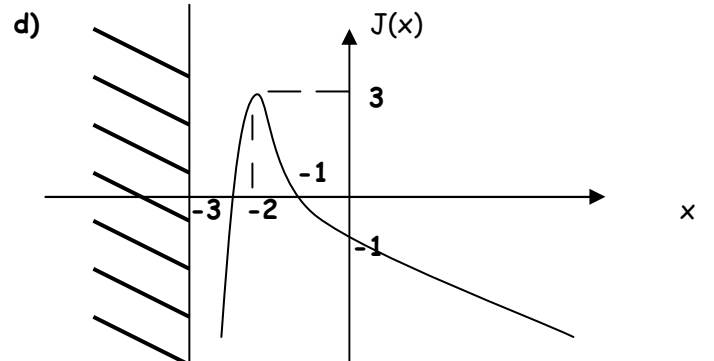
$\lim_{x \rightarrow -4^+} G(x) = \dots$, $\lim_{x \rightarrow -3^+} G(x) = \dots$, $\lim_{x \rightarrow -1} G(x) = \dots$

$\lim_{x \rightarrow 0} G(x) = \dots$, $\lim_{x \rightarrow -\infty} G(x) = \dots$, $\lim_{x \rightarrow +\infty} G(x) = \dots$



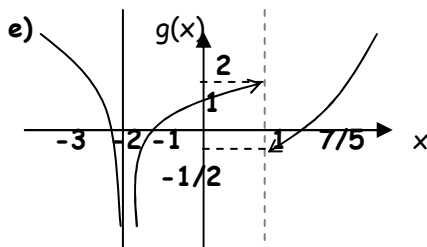
$\lim_{x \rightarrow -2^-} H(x) = \dots$, $\lim_{x \rightarrow 1^+} H(x) = \dots$, $\lim_{x \rightarrow -1} H(x) = \dots$

$\lim_{x \rightarrow -2} H(x) = \dots$, $\lim_{x \rightarrow -\infty} H(x) = \dots$, $\lim_{x \rightarrow +\infty} H(x) = \dots$



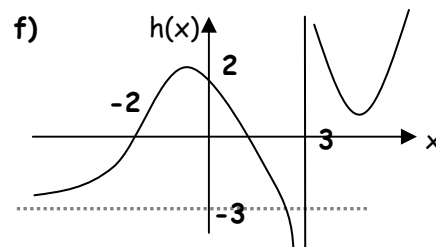
$\lim_{x \rightarrow -3^+} J(x) = \dots$, $\lim_{x \rightarrow -1^+} J(x) = \dots$, $\lim_{x \rightarrow -4} J(x) = \dots$

$\lim_{x \rightarrow -2} J(x) = \dots$, $\lim_{x \rightarrow -\infty} J(x) = \dots$, $\lim_{x \rightarrow +\infty} J(x) = \dots$



$g(0) = \dots$, $\lim_{x \rightarrow 1} g(x) = \dots$, $Dg = \dots$

$\lim_{x \rightarrow \dots} g(x) = -\infty$ Raíces: $sg(g) \dots$



$h(0) = \dots$, $\lim_{x \rightarrow -2} h(x) = \dots$, $\nexists \lim_{x \rightarrow \dots} h(x)$, $D_h = \dots$

$\lim_{x \rightarrow \dots} h(x) = -3$, $\lim_{x \rightarrow +\infty} h(x) = \dots$, $sg(h) \dots$