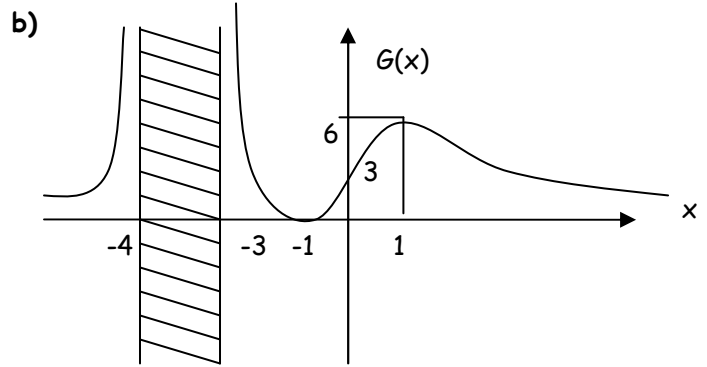
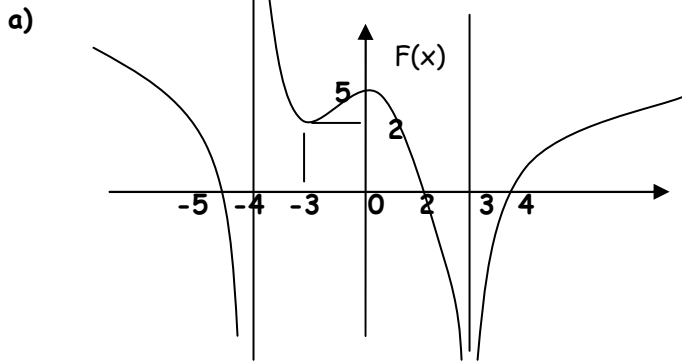
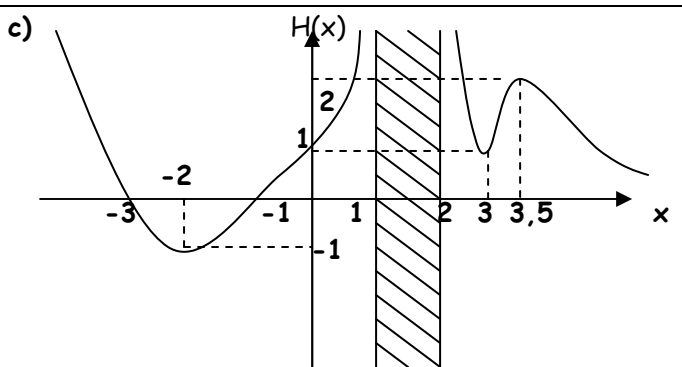


1) Completa a partir de los gráficos:

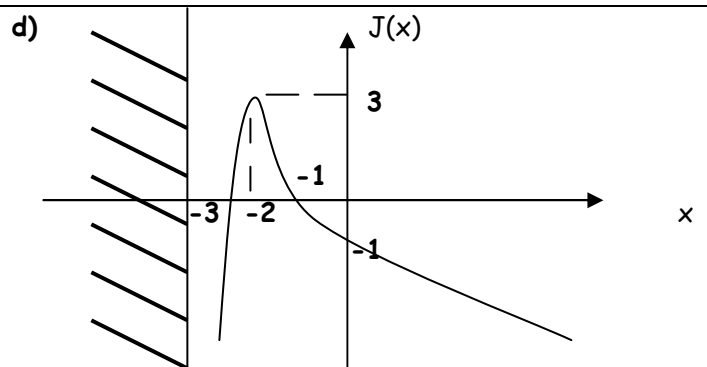


$\lim_{x \rightarrow -4} F(x) = \dots$, $\lim_{x \rightarrow -3} F(x) = \dots$, $\lim_{x \rightarrow 3} F(x) = \dots$
 $\lim_{x \rightarrow 0} F(x) = \dots$, $\lim_{x \rightarrow -\infty} F(x) = \dots$, $\lim_{x \rightarrow +\infty} F(x) = \dots$

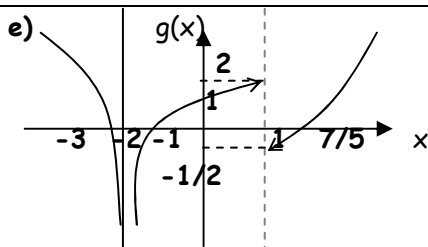
$\lim_{x \rightarrow -4^+} G(x) = \dots$, $\lim_{x \rightarrow -3^+} G(x) = \dots$, $\lim_{x \rightarrow -1} G(x) = \dots$
 $\lim_{x \rightarrow 0} G(x) = \dots$, $\lim_{x \rightarrow -\infty} G(x) = \dots$, $\lim_{x \rightarrow +\infty} G(x) = \dots$



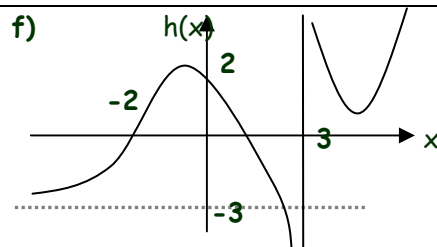
$\lim_{x \rightarrow -2} H(x) = \dots$, $\lim_{x \rightarrow 1^+} H(x) = \dots$, $\lim_{x \rightarrow -1} H(x) = \dots$
 $\lim_{x \rightarrow -2} H(x) = \dots$, $\lim_{x \rightarrow -\infty} H(x) = \dots$, $\lim_{x \rightarrow +\infty} H(x) = \dots$



$\lim_{x \rightarrow -3^+} J(x) = \dots$, $\lim_{x \rightarrow -1^+} J(x) = \dots$, $\lim_{x \rightarrow 4} J(x) = \dots$
 $\lim_{x \rightarrow -2} J(x) = \dots$, $\lim_{x \rightarrow -\infty} J(x) = \dots$, $\lim_{x \rightarrow +\infty} J(x) = \dots$



$g(0) = \dots$ $\lim_{x \rightarrow 1} g(x) = \dots$
 $\lim_{x \rightarrow \dots} g(x) = -\infty$ Raíces:



$h(0) = \dots$ $\lim_{x \rightarrow 2} h(x) = \dots$ $\nexists \lim_{x \rightarrow \dots} h(x)$
 $\lim_{x \rightarrow \dots} h(x) = -3$ $\lim_{x \rightarrow +\infty} h(x) = \dots$

2) Bosqueja el gráfico de una función que cumpla:

a) $\lim_{x \rightarrow +\infty} f(x) = +\infty$, $\lim_{x \rightarrow 1} f(x) = +\infty$, $Df = R - \{1\}$, $f(0) = 3$, $\lim_{x \rightarrow -\infty} f(x) = -\infty$

b) $\lim_{x \rightarrow +\infty} f(x) = 2$, $\lim_{x \rightarrow -\infty} f(x) = +\infty$, $\lim_{x \rightarrow 2} f(x) = -\infty$, $f(0) = 2$

c) $\lim_{x \rightarrow +\infty} f(x) = 3$, $\lim_{x \rightarrow 2^+} f(x) = +\infty$, $\lim_{x \rightarrow 2^-} f(x) = -\infty$, $f(0) = -2$, $\lim_{x \rightarrow -\infty} f(x) = 1$, raíces: -1, 3, 5

d) $\lim_{x \rightarrow +\infty} f(x) = -\infty$, $\lim_{x \rightarrow 0} f(x) = +\infty$, $\lim_{x \rightarrow 3} f(x) = 2$, $f(3) = 1$, $\lim_{x \rightarrow -\infty} f(x) = -1$, $\lim_{x \rightarrow 0} f(x) = +\infty$