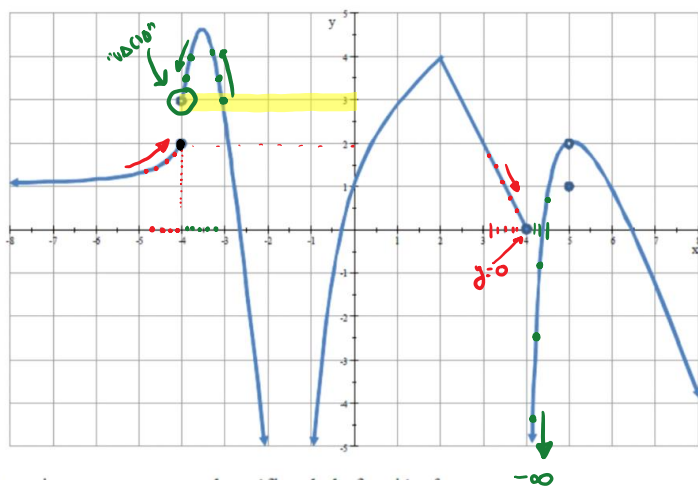


$$\lim_{x \rightarrow \infty} \frac{1}{x} =$$



DE SALTO FINITO

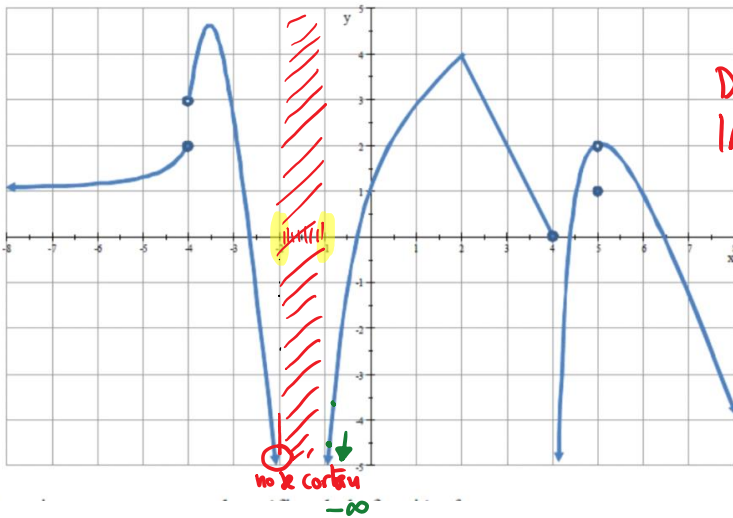
$$f(-4) = 2 \quad \checkmark$$

$$-4^- : \text{de } -4$$

$$\lim_{x \rightarrow -4^-} f(x) = 2$$

$$\lim_{x \rightarrow -4^+} f(x) = 3$$

$$\left. \begin{aligned} x=4 \quad f(4) &= 0 \\ \lim_{x \rightarrow 4^-} f(x) &= 0 \\ \lim_{x \rightarrow 4^+} f(x) &= -\infty \end{aligned} \right\} \text{SALTO INFINITO}$$

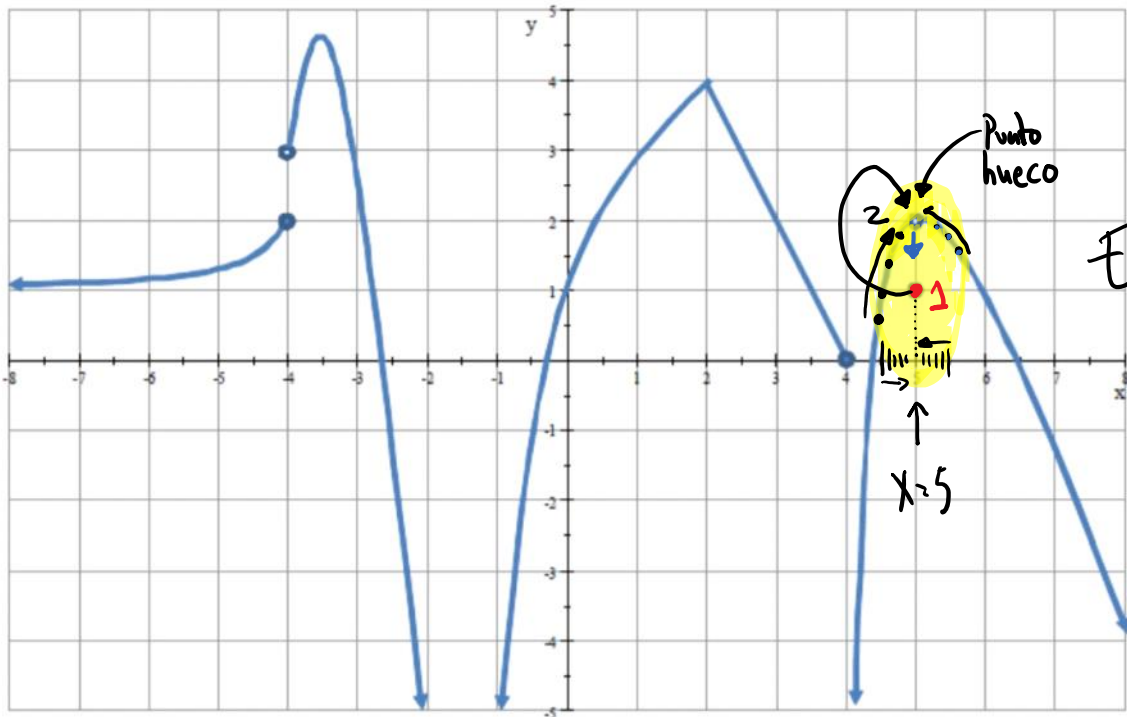


DOMINIO  $\neq \emptyset$   
 INCLUYE  $[-2, -1]$

$f(-2) = \text{no existe}$   
 $f(-1) = \text{no existe}$   
 $f(-1.5) = \text{no existe}$   
 $f(x) -2 < x < -1$   
 $\text{no existe}$

SALTO  
 INFINITO

$f(-1)$  no existe       $f(-2) = \text{no existe}$   
 $\lim_{x \rightarrow -1^+} f(x) = -\infty$        $\lim_{x \rightarrow -2^-} f(x) = -\infty$        $\lim_{x \rightarrow -2^+} f(x) = \text{no existe}$   
 $\lim_{x \rightarrow -1} f(x) = \text{NO EXISTE}$  p q no hay función  
 si  $x < -1$



FINITO

$f(5) = 1$   
 $\lim_{x \rightarrow 5^+} f(x) = 2$   
 $\lim_{x \rightarrow 5^-} f(x) = 2$

$\left. \begin{array}{l} \text{LDS DO} \\ \text{RDMS} \\ \text{EVLDSU BIEU} \end{array} \right\}$