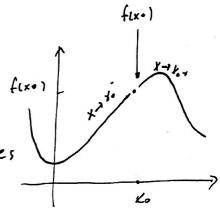
Averigua si estas funciones son continuas en x = 2

$$f(x) = \begin{cases} 3x - 2 & si \ x < 2 \\ 6 - x & si \ x \ge 2 \end{cases}$$

$$g(x) = \begin{cases} x^2 - 1 & si \ x \le 2 \\ 2x + 1 & si \ x > 2 \end{cases}$$

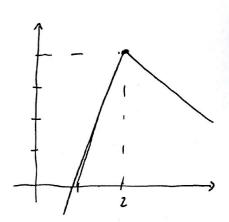
Para que fox> sea continua: en x=x.

- f(xo) existe
- los limites laterales winvidan f(xo) sea ignal que los limites laterale,



A)
$$f(x) = \begin{cases} 3x-2 & x < 2 \\ 6-x & x > 2 \end{cases}$$

$$\frac{1}{x-12} f(x) = \frac{1}{x-12} 3x-2 = 3.2-7 = 4$$



b)
$$f(x) = \begin{cases} x^{2}-1 & x \leq 2 \\ 2x+1 & x > 2 \end{cases}$$

$$f(2) = 2^2 - 1 = 3$$

