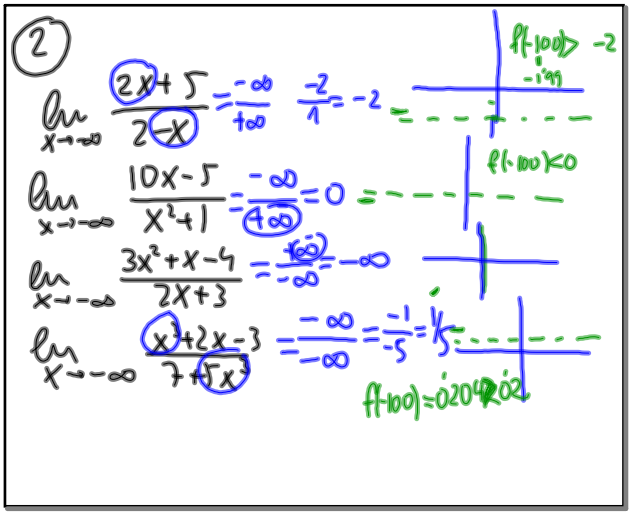
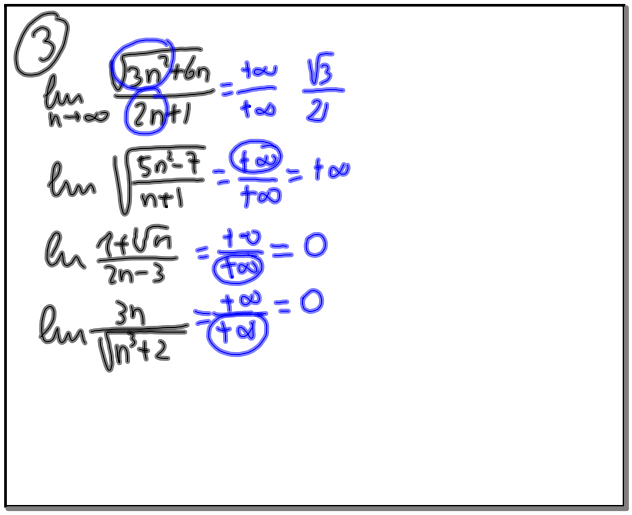
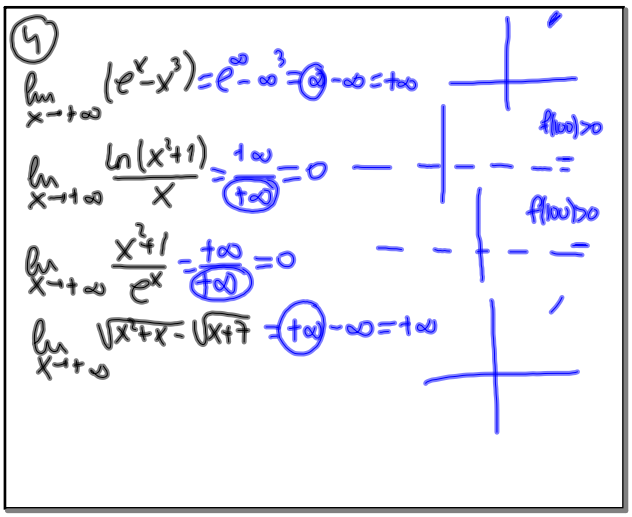


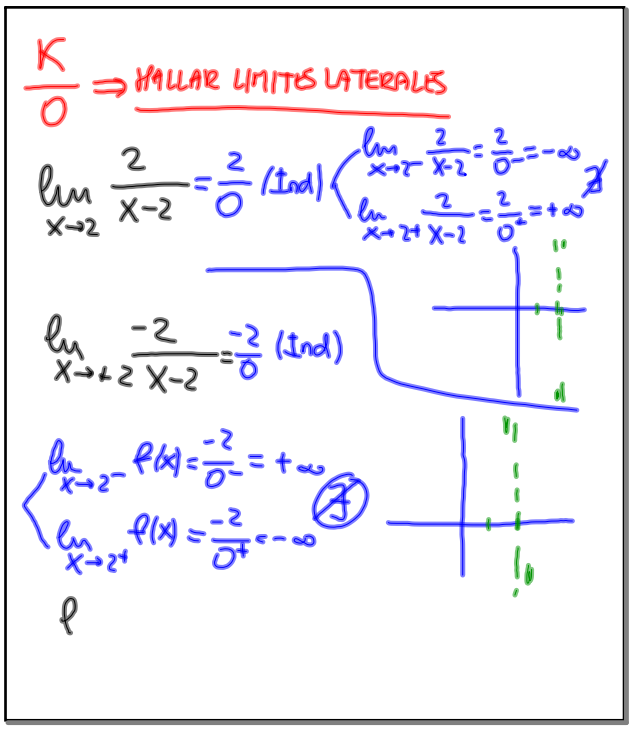
nov 27-13:11



nov 27-13:17



nov 27-13:18



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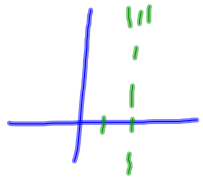
$\lim_{x\to 2} \frac{3x}{(x-2)^2} = \frac{6}{0}$ (Ind)

$\lim_{x\to 2^-} f(x) = \frac{6}{0^+}$

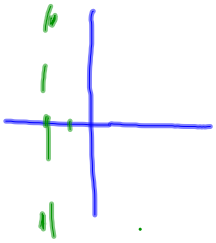
$\lim_{x\to 2^+} f(x) = \frac{6}{0^+}$ $+\infty$



$\lim_{x\to -2} \frac{3}{x+2} = \frac{3}{0}$

$\lim_{x\to -2^-} f(x) = \frac{3}{0^-} = -\infty$

$\lim_{x\to -2^+} f(x) = \frac{3}{0^+} = +\infty$



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$\frac{0}{0}$ FACTORIZAR Y SIMPLIFICAR

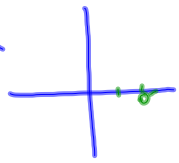
$\lim_{x\to a} \frac{P(x)}{Q(x)} = \lim_{x\to a} \frac{(x-a)P_1(x)}{(x-a)P_2(x)}$

$\lim_{x\to 2} \frac{x^2-5x+6}{x^2+3x-10} = \frac{4-10+6}{4+6-10} = \frac{0}{0}$ (Ind)

$x^2-5x+6=0 \quad x = \frac{5\pm 1}{2} \begin{matrix} 3 \\ 2 \end{matrix}$

$x^2+3x-10=0 \quad x = \frac{-3\pm 7}{2} \begin{matrix} 2 \\ -5 \end{matrix}$

$\lim_{x\to 2} \frac{(x-3)(x-2)}{(x-2)(x+5)} = \frac{-1}{7}$



nov 27-13:33