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Nombre del trabajo: LIMITES

Materia: CALCULO

Grado: 4TO CUATRIMESTRE

Grupo: TECNICO EN ADMINISTRACION DE

RECURSOS HUMANOS

0

6 lim
$$\frac{2x^2 + x - 1}{4x - 2} = \frac{2(x)^2 + 2 - 1}{4(2)^2 + 2} = \frac{9}{6} = \frac{3}{2}$$

$$x \rightarrow -1$$

 $9 \lim_{x \rightarrow -2} 3x^{2} = 3(-2)^{2} = 3(4) = 12$

$$\frac{11 \text{ lim}}{x - 33} \frac{x + 1}{2x + 3} = \frac{3 + 1}{2(3) + 3} = \frac{4}{9} = 0.444$$

$$1817 \quad 8x^2 - 2x = 8(0)^2 - 2(0) = 8(0) - 2(0) = 0$$

$$4 > 0 \quad 2x \quad 2(0) \quad 1(0) \quad 0$$

0

$$\frac{2}{x+1} = \frac{-1^{x}-1}{-1+1} = \frac{1-7}{-1+7} = \frac{0}{0}$$

4 11m
$$\frac{x+5}{x > -5} = \frac{-5+5}{(-5)^2 - 25} = \frac{0}{0}$$

$$11m \frac{x+5}{x^{2}-5-5} \frac{11m}{(x-5)(x+5)} \frac{1}{x^{2}-5-5} \frac{1}{x-5} = \frac{1}{x-5} = \frac{1}{x-5}$$

Norma Valeria Radniguez

$$\frac{5 \text{ lim}}{x \rightarrow 3} \frac{x^2 + 4x - 21}{x - 3} = \frac{3^2 + 4(5) - 21}{3 - 3} = \frac{0}{0}$$

$$\begin{array}{ccc} 11m & x & (x+1) - 5x - 21 \\ x - 3 & x - 3 \end{array}$$

3

$$7 \lim_{x \to 2} \frac{x^2 - 8 + 12 - 2^2 - 8(2) + 12 = 0}{2 - 2}$$

$$\lim_{x \to \infty} \frac{x(x-2)-6(x+2)}{x-2}$$

8 lim
$$\frac{x^3+1}{x+1} = \frac{1^3+1}{0} = 0$$

lim $\frac{(x+1)(x^2+1)}{x+1}$

$$\lim_{x \to -1} x^2 + x + 1 = (-1)^2 - (-1) + 1 = 3$$