Vau Lista 3 -Discente - Peulo Henrique Dinz de lin Alexar.

(94) e) resolução:

$$(95)$$
 d) resolução:

 (95) d) resolução:

 (35) d) resolução:

 $\Delta = \frac{1+0}{x^2+x} \xrightarrow{\chi^2+x} \frac{(x+x)}{(x+x)} \xrightarrow{\chi(x+x)} \frac{(x+x)}{(x+x)} \xrightarrow{\chi_{+}^2 \times} \frac{(x+x)}{(x+x)} = 0$

0=x = 1= 01 = 1 for = 1 bor : obor

$$\lim_{x\to 0} \frac{3x+2}{e^{-1}} \to \lim_{x\to 0} e^{\frac{3\cdot 0+2}{0-1}} \to \lim_{x\to 0} \left(\frac{2}{-1}\right) \to e^{-2}$$

lim
$$e^{\frac{x-L}{\sqrt{x}-L}} \rightarrow e^{\frac{1-L}{1-L}} = 0$$
 indetermines. Enter $\frac{x-L}{\sqrt{x}-L} * \frac{\sqrt{x+L}}{\sqrt{x}+L} (\sqrt{x})^2 - 1^2$

$$\Rightarrow \frac{(x-1)(\sqrt{x}+1)}{x+1} \Rightarrow \sqrt{x}+1 \text{ and } \lim_{x\to 1} e^{\sqrt{x}+1} \Rightarrow \lim_{x\to 1} e^2 = e^2 \mu$$

(100° a) perolices:
$$\lim_{x\to 1} \log_2(4x^2-7x+5) = \lim_{x\to -1} \log_2(4\cdot(-1)^2-7\cdot(-1)+5)$$

 $\lim_{x\to -1} \log_2(b) = 4111$
 $\lim_{x\to -1} \log_2(b) = 2^{x}=2^{x} \to x=4$

2×= 16 -> 2×=24 -> x=4

lim log $(x-x^3)^{-3}$ Enter como o logaritam e limite do logaritam e (101) by peroluçãos: e logarithm de demite e partente log [$\frac{x-x^3}{x^2+x}$]. $\lim_{x\to 0} \frac{x-x^3}{x^2+x} \to \lim_{x\to 0} \frac{x(-x^2+L)}{x(x+1)} \to \lim_{x\to 0} \frac{0+L}{0+1} = 1$

loge: log $1 = \log 1 \rightarrow 10^{\times} = 1 \rightarrow \times = 0$.. Reporta final = 0.111

(103) e) Resolução : $\frac{3}{x} = \frac{1}{w} \rightarrow x = 3W$ $\lim_{x \to -\infty} \left(1 + \frac{3}{x} \right)^{\frac{x}{4}} \to \lim_{x \to -\infty} \left(1 + \frac{3}{3W} \right)^{\frac{3W}{4}} \to \lim_{x \to -\infty} \left(1 + \frac{1}{W} \right)^{\frac{3W}{4}}$ $\lim_{X\to -\infty} \left[\left(1 + \frac{1}{\omega} \right)^{\omega} \right]^{\frac{1}{2}} \Rightarrow \lim_{X\to -\infty} e^{\frac{3}{2}y} \Rightarrow e^{\frac{3}{2}y}$

(108) 6) perologia : Lembrando: ax-1 = ln a $\lim_{x\to 0} \frac{2^{3x} - L}{x} \to \frac{2^{3.0} - L}{x} = 0 \text{ indetermined}$ $\lim_{x\to 0} \frac{2^{3x} - L}{x} \to 0 \text{ indetermined}$ $\lim_{x\to 0} \frac{2^{3x} - L}{x} \to 0 \text{ indetermined}$

ln 8 = loge 8, ou ln. 23 - 3. ln 2/11

(21 (3-) P- (1-) P) you