GABARITO P1

(1) Chin
$$\frac{4-x}{x \to 4} = \lim_{x \to 4} \frac{4-x}{2-6x} = \lim_{x \to 4} \frac{(4-x)(2+6x)}{4-7x} = 2+64 = \frac{4}{4}$$

(2) Character que $\frac{500(6x^2-1)}{2(x+1)} = \frac{1}{2(x+1)} \cdot \frac{500(6x^2-1)}{2(x+1)} = \frac{1}{2(x+1)} \cdot \frac{1}{2(x+1)} = \frac{1}{2(x+1)} \cdot \frac{1}{2(x+1)} = \frac{1}{2(x+1)} \cdot \frac{1}{2(x+1)} = \frac{1}{2(x+1)} \cdot \frac{1}{2(x+1)} = \frac{1}{2(x+1)} \cdot \frac{1}{$

(b)	fu	= \$, por	tanto fi	$(x) = \begin{cases} 2xt \\ 5 \end{cases}$	3 X 4 3 X 2				
(4) a) }	f(x) = (3	x ⁴ +2x+1)	Cos x	x ⁴ +2×+1) (-senx)				
b) ·	g(x) =	ln (x2+1)	+ (x3+1)5 x + 5 (x3			+ 12 x2 (x³+1)	4	
			uplo fex)						
· · · · · · ·	co, 1]	e fo	f(x) = -2 < 0 $f(x) = -2 < 0$ $f(x) = -2 < 0$ $f(x) = -2 < 0$	fec)=0)=3-1-1 se	= 170 f(c)=0 =	logo D		
(c) We	erdodeiro	fu) = >	(1×1= 1)	χ ² × ³					
fle	(0) = Qi	m f(x)	-fw5 = (D. pois	L fex	$\frac{1}{x} = \lim_{x \to 0} \frac{1}{x} = \lim_{x \to 0} \frac{1}{x}$	x = x2	lim X	=0, U
	go Ific	0)=0.			K-yo	(X) = (in x)	× × × × × × × × × × × × × × × × × × ×	=	