

$\begin{array}{cccccccccccccccccccccccccccccccccccc$	2) Una	3x tg 4x	0/0/10	3x . 4x	
$\begin{array}{c} = em \\ v \to 0 \\ 1 - 4x \\ = 2x^{2} \\ e) \lim_{x \to 0} \left( \frac{4x}{4x + 3} \right) \frac{5x^{2}}{7x - 1} = (1) + 0 \\ = \frac{4x - 3}{4x - 3} + \frac{3}{7x - 1} = (1) + 0 \\ = \frac{4x - 3}{4x - 3} + \frac{5x^{2}}{7x - 1} = (1) + 0 \\ = \frac{4x - 3}{7x - 1} = \frac{5x^{2}}{7x - 1} = \frac{5x^{2}}{7x - 1} = \frac{5x^{2}}{7x - 1} = \frac{5x^{2}}{7x - 1} = \frac{7x - 1}{7x - 1} = $	X->0	1 - cos 4x	(0) 3	1-41	
2) $\lim_{X \to 0} \left(\frac{4X}{4X + 3}\right)^{\frac{7}{7X - 1}} = (1)^{\frac{1}{7}} = \frac{1}{4X + 3}$ $\lim_{X \to 0} \left(\frac{4X}{4X + 3}\right)^{\frac{7}{7X - 1}} = \frac{1}{4X - 3}$ $\lim_{X \to 0} \left(\frac{4X}{4X - 3}\right)^{\frac{7}{7X - 1}} = \frac{3}{7x - 3} \cdot \frac{5x^{2}}{7x - 4} = \frac{1}{7x - 3}$ $\lim_{X \to 0} \left(\frac{15x^{2}}{4x - 3}\right)^{\frac{7}{7X - 1}} = \frac{15x^{2}}{28x^{2}}$ $\lim_{X \to 0} \left(\frac{15x^{2}}{6x - 5x^{2}x^{2} - 1}\right) = \frac{15x^{2}}{28x^{2}} = \frac{1}{2}$ $\lim_{X \to 0} \left(\frac{15x^{2}}{6x - 5x^{2}x^{2} - 1}\right) = \frac{15x^{2}}{28x^{2}} = \frac{1}{2}$ $\lim_{X \to 0} \left(\frac{15x^{2}}{2x^{2} - 25x + 3}\right) = \lim_{X \to 0} \left(\frac{15x^{2}}{2x^{2}}\right)^{\frac{1}{7}} = \frac{1}{2}$	1/100		2		
$\lim_{x \to 0} \frac{4x}{4x-3} = \frac{7x \cdot 1}{4x-3} = \frac{5x^2}{4x-3} = \frac{15x^2}{4x-3} = \frac{15x^2}{4x-3}$	e) Um	( 4x ) 7.			
$\lim_{y \to 0} \left( \frac{1}{9} + \frac{3}{4x - 3} \right) = \frac{15x^2}{15x^2}$ $\lim_{y \to 0} \left( \frac{15x^2}{6x - 9x^2x - 1} \right) = \frac{28x^2}{4x - 24x + 3} = \frac{15}{28}$ $= \lim_{y \to 0} \left( \frac{28x^2}{25x + 3} \right) = \lim_{y \to 0} \left( \frac{15x}{28} \right)$	Um (4x		1		
$\lim_{X \to S} \frac{2x}{(6x^2)(2x-1)} = \frac{2x}{28x^2} \frac{15}{4x-21x+3} = \frac{15}{28}$ $= \lim_{X \to S} \frac{28x^2}{25x+3} = \lim_{X \to S} \frac{2}{x^2} = \frac{15}{x^2}$		3		5x2 2x1 =	
$=\lim_{y\to 0} e^{\frac{\sqrt{y}x}{28x^2} 25y+3} = \lim_{y\to 0} e^{\frac{28}{x}} =$	Vim C 6x	1-48(2-1) = C	28x2-4x-21x-	13 2	
	- lim	e 28x2 25x+3	= Um E		•
	4 4 14 2 5 25				