TAREA LIMITES

25/JEP/2021

				Sanda	<b>/</b> 0 <b> </b>	Péiez	JOI	é L	رنار	
			1 7				X = 1		1	11 112
Encuentie	el lím	ik in	diado	) (si	6×	i) tes	×2-		25	X
			5 11-			1		1	1	- 31 -
51   lim	X	= lim	X			A		7. 7.		. 143
X->(	$\frac{\chi}{\chi^2-\chi}$	x	0		=	0	- =	00		NOETERMINIA
34 1.1. 14 1	V	lim	$x^2 - 1$	im x		02- (	) +	0	1	mil (00
( - k , 1 '	1 2 3	x → c			, a	_ D	× 2 -		3.	-6-1/
lim _ X	l li	m	1	lim	1	- 1 N	1	- ,1	_	x mil-
1-00 XX	-11 ×	→0 ×	-1	1-0	, ,	F~ \	1	4	1	2-0-1
150 -				lim	х -	-lim !		0	-1	-1 -/
01101 12111	0	-		1-90	*	x-70	× -	X		56) I'm
I ma			0//			at :	× -	X	1	$\leftarrow X$
52) lim	3x	, 31im	x / lim	x2 .	lir	n x	5	10		0
x →0		x → G	1 x->	0.	X	20	0	2 + 2	2/01	0
4 1 1 1 2 - 2	100	1 3-1-X	I I POP	113	·X	E++3		57	IND	ETERMINADO
lim 3x	= lim	3 4	1	m.	3	1	m :	3 /	lim	x + lim 2
x ->0 x2+2	x X->	o wlat	and other second	~ O &		P	-0	1/2		
3	2		1-12/	The state of the s		2 5-	7	1 /	7,	01/162
= 3 =	3/2			14 E.	(		1-		1	Han X
012	-4									
53) lim	x-4	- lim x	-lim	4-		3	Py		8	71117
X-4	x2-16	X->4				4 -	-4	_	0	INDETERMINA
995	7	lim x2	The second of the second of	and the same of		16-	16	-	0	
14 1		x->4	1 A-		-	27		3-1	71	X/ 11
im - 1()	741			mli	lir	n x t	- lim	4	/	8 11-1
	A1(x+4)	1X+4			χ-		1		41	4 8/

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1-02/1	135/12		
54) lim x -3	$\frac{3-x}{x^2-q} = \lim_{x \to 3} \frac{-1}{(x-q)^2}$	1(x/3) = 1 m -1 x+3(x/3) 11 A-3 311 (x+3) 11/11	(J)(N)
- lim -1/	lim X + lim 3 = x→3	-1/3+3 = 1 x m = 6/x m   m   m	[51]
55) lim x→-3	$\frac{x^2 + x - 6}{x^2 - 9} = \lim_{x \to 3}$	$(x\sqrt{3})(x-2)$ $(x-2)$ - $\lim_{x\to -3}$ $(x-3)$ $x\to -3$	x-3
$= \lim_{X \to -3} x -$	$\lim_{x \to -3} \frac{1}{x^{3}} = \frac{1}{x^{3}}$	m 33 -2   -5 5   5   5   5   5   5   5   5   5	Mul
	$x^2 - x - 6 = 13^2 - $ $x^2 - 5x + 6 = 3^2 - $		DETERMINADO
x-33   xf3(x	$-2$ ) $x\rightarrow 3$ $(x-2)$	n/	
	-2 = 5/1 = 5	$\begin{array}{c c} x & 15 & -\lim & 3 / \lim x & \lim & 4 \\ x - 4 & / x - 4 & x - 4 \end{array}$	3-7
x→4 = 4+5-3		$x-4$ $ x\rightarrow 4 $ $x\rightarrow 4$	
4-4 lim \x +s	0 0	11m x + 5 - 9	,
x >4   x -1		$X \rightarrow 0$ $X - Y(\sqrt{X+5}^1+3)$	L = /

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$=  X - 4   X - 4  (\sqrt{x} + 1) =  m                                   $
= 1/59 +3 = 1/3+3 = 1/6/
58 $\lim_{X \to 3} \sqrt{x+1} - 2 \left( \sqrt{x+1} + 2 \right) = \lim_{X \to 3} \frac{x+1-4}{x-3} $
$= \lim_{x \to 3} \frac{x-3}{x-3} = \lim_{x \to 3} \frac{1}{\sqrt{x+1+2}} = \lim_{x \to 3} \frac{1}{\sqrt{x+2}} = \lim_{x \to 3} \frac{1}{\sqrt{x+2}}$
= 1/\(\siz = 1/\siz = 1/2+2 = 1/4)
59) lim \( \times \) \( \times
$\lim_{X\to 0} \sqrt{x+s} - \sqrt{s} \left[ \sqrt{x+s} + \sqrt{s} \right] = \lim_{X\to 0} x+s-s = x$ $ \sqrt{x+s} + \sqrt{s}  = \lim_{X\to 0} x+s-s = x$
= lim 1   lim 1/lim VXIS , VT - 1   1   x > 0 VXIS + VS 2 V 5
60) $\lim_{X\to 0} \frac{\sqrt{3}+x-\sqrt{3}}{x} = \frac{\sqrt{3}-\sqrt{3}}{0} = \frac{0}{0} = \frac{1}{1} \frac{1}{1}$
$\lim_{X\to 0} \frac{\sqrt{3+x} + \sqrt{3}}{\sqrt{3+x} + \sqrt{3}} = \lim_{X\to 0} \frac{x+3-5}{x\sqrt{3+x} + \sqrt{3}} = \frac{x}{\sqrt{3+x} + \sqrt{3}}$
- 11m 1 1m 1/1m \( \frac{1}{3+x} + \tau \) \( \frac{1}{3+x} + \tau \) \( \frac{1}{3} + \tau + \tau \)
$= 1/\sqrt{3}+0+\sqrt{3} = 1/2\sqrt{3}$