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Predicted to evaluable: (1) $\lim_{x \to -2} x^2 + 2$ (2) $\lim_{x \to -2} x^2 + 4$ (3) $\lim_{x \to 0} x^2 - 3x$ (4) $\lim_{x \to 0} x^2 + 4$ (5) $\lim_{x \to 0} x^2 + 4$ (6) $\lim_{x \to 0} x^2 + 4$ (7) $\lim_{x \to 0} x^2 + 4$ (8) $\lim_{x \to 0} x^2 + 4$ (9) $\lim_{x \to 0} x^2 + 4$ (9) $\lim_{x \to 0} x^2 + 4$ (10) $\lim_{x \to 0} x^2 + 4$ (10) $\lim_{x \to 0} x^2 + 4$ (11) $\lim_{x \to 0} x^2 + 4$ (12) $\lim_{x \to 0} x^2 + 4$ (13) $\lim_{x \to 0} x^2 + 4$ (14) $\lim_{x \to 0} x^2 + 4$ (15) $\lim_{x \to 0} x^2 + 4$ (16) $\lim_{x \to 0} x^2 + 4$ (17) $\lim_{x \to 0} x^2 + 4$ (18) $\lim_{x \to 0} x^2 + 4$ (19) $\lim_{x \to 0} x^2 + 4$ (19) $\lim_{x \to 0} x^2 + 4$ (10) $\lim_{x \to 0} x^2 + 4$ (11) $\lim_{x \to 0} x^2 + 4$ (12) $\lim_{x \to 0} x^2 + 4$ (13) $\lim_{x \to 0} x^2 + 4$ (14) $\lim_{x \to 0} x^2 + 4$ (15) $\lim_{x \to 0} x^2 + 4$ (16) $\lim_{x \to 0} x^2 + 4$ (17) $\lim_{x \to 0} x^2 + 4$ (18) $\lim_{x \to 0} x^2 + 4$ (19) $\lim_{x \to 0} x^2 + 4$ (10) $\lim_{x \to 0} x^2 + 4$ (11) $\lim_{x \to 0} x^2 + 4$ (12) $\lim_{x \to 0} x^2 + 4$ (13) $\lim_{x \to 0} x^2 + 4$ (14) $\lim_{x \to 0} x^2 + 4$ (15) $\lim_{x \to 0} x^2 + 4$ (16) $\lim_{x \to 0} x^2 + 4$ (17) $\lim_{x \to 0} x^2 + 4$ (18) $\lim_{x \to 0} x^2 + 4$ (19) $\lim_{x \to 0} x^2 + 4$ (10) $\lim_{x \to 0} x^2 + 4$ (11) $\lim_{x \to 0} x^2 + 4$ (12) $\lim_{x \to 0} x^2 + 4$ (13) $\lim_{x \to 0} x^2 + 4$ (14) $\lim_{x \to 0} x^2 + 4$ (15) $\lim_{x \to 0} x^2 + 4$ (16) $\lim_{x \to 0} x^2 + 4$ (17) $\lim_{x \to 0} x^2 + 4$ (18) $\lim_{x \to 0} x^2 + 4$ (19) $\lim_{x \to 0} x^2 + 4$ (10) $\lim_{x \to 0} x^2 + 4$ (11) $\lim_{x \to 0} x^2 + 4$ (12) $\lim_{x \to 0} x^2 + 4$ (13) $\lim_{x \to 0} x^2 + 4$ (14) $\lim_{x \to 0} x^2 + 4$ (15) $\lim_{x \to 0} x^2 + 4$ (16) $\lim_{x \to 0} x^2 + 4$ (17) $\lim_{x \to 0} x^2 + 4$ (18) $\lim_{x \to 0} x^2 + 4$ (19) $\lim_{x \to 0} x^2 + 4$ (10) $\lim_{x \to 0} x^2 + 4$ (11) $\lim_{x \to 0} x^2 + 4$ (12) $\lim_{x \to 0} x^2 + 4$ (13) $\lim_{x \to 0} x^2 + 4$ (14) $\lim_{x \to 0} x^2 + 4$ (15) $\lim_{x \to 0} x^2 + 4$ (16) $\lim_{x \to 0} x^2 + 4$ (17) $\lim_{x \to 0} x^2 + 4$ (18) $\lim_{x \to 0} x^2 + 4$ (19) $\lim_{x \to 0} x^2 + 4$ (10) $\lim_{x \to 0} x^2 + 4$ (11) $\lim_{x \to 0} x^2 + 4$ (12) $\lim_{x \to 0} x^2 + 4$	C	To ai't and	Then use	
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$ \frac{1}{2x} = \frac{1}{4} 5.1 = 5 $ $ \frac{1}{2x} = \frac{1}{4} 4x^{2} - x - 3 $ $ \frac{1}{2x} = \frac{1}{4} $		x+2 2x		1 2 2 4
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$\lim_{N \to 2} \frac{2 + 1}{(n+2)(n+1)} \frac{4 + 2^{3} - x - 3}{4 \times (n+2)(n+1)}$ $\lim_{N \to 2} \frac{1}{(n+2)(n+1)} \frac{4 \times (n+2)}{(n+2)(n+2)} \frac{1}{(n+2)(n+2)}$ $\lim_{N \to 2} \frac{1}{(n+2)(n+2)} \frac{1}{(n+2)(n+2)} \frac{1}{(n+2)(n+2)}$ $\lim_{N \to 2} \frac{1}{(n+2)(n+2)(n+2)} \frac{1}{(n+2)(n+2)} \frac{1}{(n+2)(n+2)}$ $\lim_{N \to 2} \frac{1}{(n+2)(n+2)(n+2)} \frac{1}{(n+2)(n+2)(n+2)} \frac{1}{(n+2)(n+2)(n+2)}$ $\lim_{N \to 2} \frac{1}{(n+2)(n+2)(n+2)} \frac{1}{(n+2)(n+2)(n+2)} \frac{1}{(n+2)(n+2)(n+2)} \frac{1}{(n+2)(n+2)(n+2)}$ $\lim_{N \to 2} \frac{1}{(n+2)(n+2)(n+2)(n+2)} \frac{1}{(n+2)(n+2)(n+2)(n+2)} \frac{1}{(n+2)(n+2)(n+2)} \frac{1}{(n+2)(n+2)(n+2)(n+2)} \frac{1}{(n+2)(n+2)(n+2)(n+2)}$ $\lim_{N \to 2} \frac{1}{(n+2)(n+2)(n+2)(n+2)(n+2)(n+2)} \frac{1}{(n+2)(n+2)(n+2)(n+2)(n+2)(n+2)} \frac{1}{(n+2)(n+2)(n+2)(n+2)(n+2)(n+2)} \frac{1}{(n+2)(n+2)(n+2)(n+2)(n+2)(n+2)} \frac{1}{(n+2)(n+2)(n+2)(n+2)(n+2)(n+2)(n+2)} \frac{1}{(n+2)(n+2)(n+2)(n+2)(n+2)(n+2)(n+2)(n+2)$		OR		23-17
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0	lin xxx	$\chi \rightarrow 1$ $4 \times 3 - \chi - 3$	DR um
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				$x \rightarrow 1 + x^2 - x - 3$
$\lim_{x \to 2} \frac{1}{x+2} = \lim_{x \to 1} \frac{3x^{2}}{12x^{2}-1}$ $\lim_{x \to 1} \frac{1}{2x^{2}-1}$ $\lim_{x \to 1} \frac{1}{4x^{2}+4x+3} = \lim_{x \to 1} \frac{1}{4x^{2}+4x+3}$ $\lim_{x \to 1} \frac{1}{4x^{2}+4x+3} = \lim_{x \to 1} \frac{1}{4x^{2}+4x+3} = \lim_{x \to 1} \frac{1}{4x^{2}+4x+3}$ $\lim_{x \to 0} \frac{1}{x^{2}} = \lim_{x \to 0} \frac{1}{x^{2}} = \lim_{x \to 0} \frac{1}{x^{2}+x+1}$ $\lim_{x \to 0} \frac{1}{x^{2}} = \lim_{x \to 0$	610	px+2/x+3	taking derivative	1. (11.2)
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		lin 1	M.Lim 3x	$x \to 1$ (x.41) $(4x^2+4x+3)$
Applying limit $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		2+2 x+2	271 1221	
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$\begin{array}{c cccc} & & & & & & & & & & & & & & & & & $		V 10	-03	taking derivative
$ \begin{array}{c cccc} & \lim_{\chi \to 0} & \lim_$		OR	lim 1 - cosx	01
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	(C)		x70 - x2	lim 4x + 3
$\lim_{\lambda \to 0} cos \chi$ $\lim_{\lambda \to 0} $	8	JINK	P	X7 8 212 1
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$= \lim_{\chi \to 0} \frac{1}{\chi^{2}(1+\cos\chi)}$ $= \lim_{\chi \to 0} \left[\frac{\sin(\chi)}{\chi} \left(\frac{\sin(\chi)}{\chi} \right) \left(\frac{1}{1+\cos\chi} \right) \right] \lim_{\chi \to 0} \frac{2\chi^{2}+3\chi}{\chi^{3}+\chi+1}$ $\lim_{\chi \to 0} \left[\frac{\sin(\chi)}{\chi} \left(\frac{\sin(\chi)}{\chi} \right) \left(\frac{1}{1+\cos\chi} \right) \right] \lim_{\chi \to 0} \frac{2}{\chi} + \frac{3}{\chi^{2}}$ $\frac{1}{1+\frac{1}{2}+\frac{1}{2}} = 0$ $\frac{1}{1+\frac{1}{2}+\frac{1}{2}} = 0$		Lin cosx		lim 4 = 0
$= \lim_{\chi \to 0} \frac{1}{\chi^{2}(1+\cos\chi)}$ $= \lim_{\chi \to 0} \left[\frac{\sin(\chi)}{\chi} \left(\frac{\sin(\chi)}{\chi} \right) \left(\frac{1}{1+\cos\chi} \right) \right] \lim_{\chi \to 0} \frac{2\chi^{2}+3\chi}{\chi^{3}+\chi+1}$ $\lim_{\chi \to 0} \left[\frac{\sin(\chi)}{\chi} \left(\frac{\sin(\chi)}{\chi} \right) \left(\frac{1}{1+\cos\chi} \right) \right] \lim_{\chi \to 0} \frac{2}{\chi} + \frac{3}{\chi^{2}}$ $= \lim_{\chi \to 0} \left[\frac{\sin(\chi)}{\chi} \left(\frac{\sin(\chi)}{\chi} \right) \left(\frac{1}{1+\cos\chi} \right) \right] \lim_{\chi \to 0} \frac{2}{\chi} + \frac{3}{\chi^{2}}$ $= \lim_{\chi \to 0} \left[\frac{\sin(\chi)}{\chi} \left(\frac{\sin(\chi)}{\chi} \right) \left(\frac{1}{1+\cos\chi} \right) \right] \lim_{\chi \to 0} \frac{2\chi^{2}+3\chi}{\chi^{3}+\chi+1}$ $= \lim_{\chi \to 0} \left[\frac{\sin(\chi)}{\chi} \left(\frac{\sin(\chi)}{\chi} \right) \left(\frac{1}{1+\cos\chi} \right) \right] \lim_{\chi \to 0} \frac{2\chi^{2}+3\chi}{\chi^{2}+\chi+1}$ $= \lim_{\chi \to 0} \left[\frac{\sin(\chi)}{\chi} \left(\frac{\sin(\chi)}{\chi} \right) \left(\frac{1}{1+\cos\chi} \right) \right] \lim_{\chi \to 0} \frac{2\chi^{2}+3\chi}{\chi^{2}+\chi+1}$ $= \lim_{\chi \to 0} \left[\frac{\sin(\chi)}{\chi} \left(\frac{1}{1+\cos\chi} \right) \left(\frac{1}{1+\cos\chi} \right) \right] \lim_{\chi \to 0} \frac{2\chi^{2}+3\chi}{\chi^{2}+\chi+1}$ $= \lim_{\chi \to 0} \left[\frac{\sin(\chi)}{\chi} \left(\frac{1}{1+\cos\chi} \right) \left(\frac{1}{1+\cos\chi} \right) \right] \lim_{\chi \to 0} \frac{2\chi^{2}+3\chi}{\chi^{2}+\chi+1}$	77		4:2×	x700 6x
$= \lim_{N \to 0} \left[\frac{(\sin x)(\sin x)}{x} \frac{1}{(1+\cos x)} \right] \lim_{N \to 0} \frac{x^3 + x + 1}{x} = 0$ $\frac{1}{1 + \frac{1}{n^2} + \frac{1}{n^3}} = 0$	0	2 = Lin	Sin X	OB. 11. 2.2. 24
$= \lim_{N \to 0} \left[\frac{(s_1 i x)}{x} \frac{(s_1 i x)}{x} \frac{(s_1 i x)}{(1 + cos u)} \right] \qquad \lim_{N \to u} \frac{x^3 + x + 1}{x} = 0$ $\frac{1}{1 + \frac{1}{u^2} + \frac{1}{u^3}} = 0$		X+	x2(1+ COSK)	274 21 +34
$=\lim_{N\to 0}\left[\frac{(s_1ux)}{x}(\frac{s_1ux}{n})(\frac{1}{1+cosu})\right]\lim_{N\to u}\frac{2+\frac{3}{n}}{\frac{x}{n^2}}=\frac{0}{1}=\boxed{0}.$		(1)	A.	x3+x+1
$\frac{1}{ \mathcal{L} } = \frac{1}{ \mathcal{L} } = \frac{1}$		2/ - lim	[1sinx1/sinx]/1	-\ lim 2 + 3
$\boxed{1+\frac{1}{n^2}+\frac{1}{n^3}}$	•	N70	1 x/2/1+cos	X X X D D
$\frac{1}{n^2}$			1007	1 1 1 1 1 - 1 - 10.
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(2) lin 21-2	(B) Lim x2-25	9 lim t3-	4t +15	C
1) lim 21-2 2 2 2-4	8 lim x2-25	t 3 t2-	t-12	-
Applying derivation	Derivation	Derivat		
ry g g		lim 3t2-	$\frac{-4}{1} = \frac{3(-3)^2 - 4}{2(-3) - 1}$	4
lim <u>*1</u>	lim 2x x+-5 1	t+-3 2t-	1 2(-3) -1	The state of the s
X→2 2x	Applying limit	lim dt	(4-3) [3]	-
lim 1 n+2 2n	1-5 - 260/	to the	4 (43) 3/1	
	2(-5)	10 z F	23	<u>C</u>
Applying Limit.	(-10 h			E.
	$\begin{array}{c c} \text{(1)} & \lim_{x \to \infty} & 5x^3 - 2x \\ \hline & 7x^3 + 3 \end{array}$	D lim χ- 12)	8 x2 (3) Lim sint2	<u>Z</u>
* 4	N. C 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	lim -16		
① $\lim_{t\to 1} \frac{t^3-1}{4t^3-t^{-3}}$	lim 15x2-2 x→∞ 21x2+	n→0 24x 7	5	E
$\frac{t+1}{4t^3-t-3}$		lim -16	(05(0)2.2(0)	E
<u>lim</u> 3t ² t→1 12t ² -1	lim 30% 1274	$\lim_{N\to\infty} \frac{-16}{24}$		
to 12t2-1	4274	[-4].	17 lim 20-1 0 - 1/2 (05(28-0)	C)
16 30)2	$\frac{30}{42} = \frac{5}{1}$			6
12/11 - 1		$\frac{16) \text{ Lim sinx} - x}{x \to 0}$	$\lim_{\Omega \to \sqrt{2}} \frac{2}{\sin(2\pi - \Omega) \cdot 1}$	10
3	7-10 /alv-1	im Losx-1	-3111(41-0)-1	
	//	1000000000000000000000000000000000000	$\frac{2}{\sin(2x-x)}$	(4)
14 lim sinst his		im -sink	2/	E
t+0 at	A. Marida	50 Tx	$\frac{2}{\sin(3\pi)} \Rightarrow -2$	-
tim sosst.s		im - cosx	311(5)	_ *
t+0 2	(-16) M	+0 6 [-14]	Con Sint Con	1
cos5(0).5 (1)5	18 Lim 30+T	(19) Lim	1-sin 0	(
$\frac{\cos \xi(0) \cdot 5}{2} = \frac{(1)5}{2}$	0 - 1/3 sin(0+ 1/2)	D>M2	1+ cos 20	
[5]	lim 3	lim /	sino(2)	1
2	$0 \rightarrow \frac{\pi}{2}$ cos $\left(0 + \frac{\pi}{3}\right)$			6
3 3	ti [3],		$\frac{100}{0520}$ $\Rightarrow \frac{+1(+1)}{(-1)} = \boxed{4}$	i k
cos(等)	<u></u>			10
				1

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1	20 lim x-1 x+1 wx-sin xx	2) lim x2 h(seex)	(2) Lym lu(cscx) (x-1/2)2
1	1 1/x - cos Tx . T	Lim 2x x +0 1 x spextam seex	
1	1	Lim 2x	$\frac{x \rightarrow \frac{1}{2}}{2(x - \frac{1}{2})}$
1	17- cos x (1) · x 1-x cos x	4 +0 tann	$\lim_{N \to N_2} \frac{-\cot n}{2(n-N_2)}$
0	$\frac{1}{1-\kappa(-1)} = \frac{1}{1+\kappa}$	no sech	Lim CSC2X N->17/2 2
1	$ \begin{array}{ccc} $	Sec2(0) Sec2(0) Sim tsint	$\frac{(3c^{2}(\frac{5}{2}) = \frac{1}{2}}{2}$
0	$\lim_{t\to 0} t (\sin t) + (1-\cos t)$		
1	lim tost + sint +sin	t sint	k+ Th Cosu
0	lim -tsint + cost + co	$ \begin{array}{c c} lim & t = 1 \\ t = 0 & -t = 1 \\ \hline cos \\ st + cost \end{array} $	t k>1/2 - sinx
0	t to cost Applying limit	(27) lim 3 sino -1	
0	0+1+1+1 = 3	•	$\lim_{0 \to 0} \frac{1}{0} \left(\ln(\frac{1}{2}) (1) \right)$
0	26) lim (x-x) lanx	Um 3 sin (lu3) (cosθ) 1 3 sin(0) (lu3) (cosθ)	(4)
ð	lim (7/2-x) x > (7/2) cotx	1 (lu 3) (1)	$\left \int \ln \left(\frac{1}{2} \right) \right = \int \ln 2$
*	tim #1 x - N2 + css2n	[ln 3]	$\frac{(30) \lim_{n\to 0} \frac{3^{n}-1}{2^{n}-1}}{2^{n}-1}$
0	Lim Sinza	$\begin{array}{c c} (29) \lim_{x \to 0} & \frac{x^{2x}}{x^{2}-1} \\ & \lim_{x \to 0} & (x^{2x}) + x^{2x} \end{array}$	$\lim_{x\to 0} \frac{(3^{x})(\ln 3)}{(2^{x})(\ln 2)}$ $2^{x})(\ln 2)$
*	x+ 1/2 Sin2 (\(\frac{7}{2}\))	lim (1)(2x)+x(1) (2x)(th	(2)(42)
	1	$\frac{(4)(2^{\circ})+0}{(2^{\circ})(m^2)} = \begin{bmatrix} & & & & & & & & & & & & & & & & & &$	luz [m3]

Agis, Istaliana	(32) Lim log 2 1	33 lim 4122+2x	T
(3) lim h(x+1)	A 3/0	x +0 hrx	-6
x->d log2x	log3 (x+3)	, 972+2	-
The season of th	1. /hx)	$\frac{\lim_{\chi \to 0} \left(\frac{2\chi + 2}{\chi^2 + 2\chi} \right)}{\chi^2 + 2\chi}$	-
$\lim_{x\to\infty}\frac{\ln(x+1)}{\ln(x+1)}$	lim (hx)	(1/n)	2
$\frac{(nx)}{(nz)}$	$\frac{m(x+3)}{(m(3))}$		-
(m ²)		$\lim_{N\to 0} \frac{2x^2 + 2x}{x^2 + 2x}$	
12) lim (1)	2700		-
(In 2) lim (1)	Cu(x+3)/(u(3)	Um 4x+2	
$\left(\frac{1}{x}\right)$	(m(2) lim lux (u(x+3)	2x + 2	6
	(12) X -> (n(x+3)	[2], = [1]	F
(ln2) lim x x+0 x+1	$ln(3)$ lim $(\frac{1}{x})$	2	_
740 741	11(2) N 0 (1/x+3)	36 lim Jay+a2 - a , 970	E
lu2(1)	1. 1. (m) - 1. (m) (m) (d)	y >0 1974 , a>0	
State Name of the State of the	(u(3) lim x+3	lim (cy+a2) = a	=
[m2]·	[] hr3]	lim (cy+a²) = a	
(34) lim lu(ex-1)	(35) line / (4+25 -5	lim 1 1 25/2	-
$\frac{(34) \lim_{x\to 0} \ln(e^{x}-1)}{\ln x}$	(35) Lim \(\sqrt{25} - 5\)	lim 1 (ay +a2) (a)	-
	J J	1	5
$\lim_{x \to \infty} \left(\frac{e^x}{e^{x-1}} \right)$	tim (5y+25) 2-5	lim a	
x 70 (1//)	la de la constante de la const	2 Jay + a2	
(12)	lim 1 (5y+25) 2(5)	1 🗇	0
$\frac{\lim_{\chi \to 0} \frac{\chi e^{\chi}}{e^{\chi}-1}$	1	$\frac{q}{2 \cdot 4} = \frac{q}{2}$	
x +0 ex-1	lin 5	21at 2d	-SE-
lim xex + ex	4m 5 2/5y+25	38 lim (lux-lusinx)	L
nto ex		x→0' (the x→0')	E
	$\frac{5}{2\sqrt{25}} = \frac{8}{2\sqrt{8}} = \frac{1}{2}$	lim 1. b. 1 XX	-
lim (X+1) ex	9100	x+0+ (ht sinn)	
ex	lu (lim Z)		1
0+1=0)	(170 1)	h (lim x)	
(a) 40 to 1	41)] [In2].	(Kono Sinn)	
(37) lim [ln 2x - ln 1x.		lu / lim / 1 1 . [0]	(
	(3) lim (mx)2 [mx)2 [mx)2	$\ln\left(\lim_{x\to 0}\frac{1}{\cos x}\right)=\ln 1=0$	6
$\frac{\lim_{\chi \to \infty} \frac{2\mu}{\chi+1}}{\chi+1}$	200(21112)	Dr. and Area days and a second	1
1 time ox	no (the stan) (1)	of lim 2 lun sin noo noon	6
m (tim 2k x+1)	cosn	K cosu	(
/	100 2 (lan) sin 2	KI TOP.	
	100 2 (luk) sin)	= -0.1 = -0	1

	Date
$\frac{40}{x \to 0} \lim_{x \to 0} \left(\frac{3x+1}{x} - \frac{1}{\sin x} \right)$	1 (1) Lim (1/x-1 - 1/x)
Lim (3x+1)(sinx) - x x+0 Xsinx	tim (mx - (x-1)) mx (x-1)
Um (3n+1)(cosx) + (simx)(x (cosx) + sin>	$\frac{1}{(1-1)^{2}}$ $\frac{1}{(1-1)$
$\lim_{N\to 0} \frac{(3x+1)(\cos n) + 3s}{x\cos n + \sin n}$	1x (xem + n - 1)
um (34+1)(-sinx)+(co	sn)(3)+3sun = lim (-1 / ln(x+1)+1)
$\frac{\chi(-\sin x) + \cos x}{-(3x+1)(\sin x) + \cos x}$	$3\cos n + 3\cos n$ (0+1)+1 2
Applying limit	e0-0-1
$0+3(1)+3(1) = \frac{6}{9} = \boxed{3}$	$\lim_{\theta \to 0} -\sin \theta$
0+1+1 €2 lim (cscx - Cotx + cosx) x → 0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\lim_{N\to 0} \left(\frac{1}{\sin n} - \frac{\cos n}{\sin n} + \cos n \right)$	(4) lim en-(1+h) (45) lim e
$\lim_{n\to 0} \left(\frac{1-\cos n + \cos n \sin n}{\sin n} \right)$	(m e (1)(1) - (1) lim e+2
	2 2 1-2
lim n→o (sinu + cosu(cosu) cosu	tim et of 1
niso (sinn + pcosu -	2 sinx
0+1+0 = 1.	

(46) lim x2e-x	47 lim x-sina.	(48) lim (ex-1)2
×→0		N SIM
lim v2	Lim 1-cosu	$\lim_{x \to \infty} 2(e^{x}-1)e^{x}$
$\chi \rightarrow \infty \frac{\chi}{e^n}$	x(sec x)+ toun	X LOX + Sinn
line DY	lim Sinx	lim 2e2x 2ex
lim 2X	1 4 4 4	The second section
lim 2	2n secretaun + 2	lim 4e2 - 2e2
k→d ex	$\frac{0}{2} = \boxed{0}$	- HSinx + 2COSX
0.1 =0	-	72=1
2 = 0 0	У. г.	2 11
w -	60	$\lim_{x \to 0} \sin 3x - 3x + u^2$
(49) lim O-sind	Acos0	x > 0 Sinx sin 2x
tand	0	lim 3cos3n-3+2x
N-70		Cosn Isina cosn + siúza cos a
Sei	0-1	2 Sinx cos 2x
lim - Dsûn²		lim -3 sin3u(3) +2
0->0	20-1	(2sinn) (-sin2x-2) +2cos2x(cosx)
		+ sin2n (-sinn) + (cosn) (cos
lim 25in20 ton0	2 m)	lim Appying limit.
lim 2 cos²0	⇒ [2]	0+2
0-10	A SEAL SEAL	0+1+0+2 2
100 CA 10	(1)(1)(1)	