D L E	1
Derivatives Exe	rcise
$f(x) = \lim_{x \to \infty} \left( f(x+h) - f(x) \right)$	The state of the state of
h > 0 \ h	
-lim (5x+5h-5x)	(4) (1)
h>0 ( h	K W Year
- lim (5h)	Strategy of the strategy of th
h>0 h/	
-lim (5)	
h>0()	11.511.1
-5	The state of the s
2) $c_{11} = \lim_{n \to \infty}  f(n) $	N 781) 1
$f'(x) = \lim \left( f(x+h) - f(x) \right)$	the state of the s
h>O h	
$=\lim_{n\to\infty}\left(-2x-2h-(-2x)\right)$	- 17 85 4 1 8 - 14 1 - 13
h>0 h	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
$-\lim_{h\to \infty} \left(-2h\right)$	
h->0 h	The second second
$-\lim_{z\to 1} \left(-2\right)$	· · · · · · · · · · · · · · · · · · ·
h-70	C.S. C.A.
=-2 (=0) (4(25)	1 1 1 3 -
$3$ $\lim_{x \to a} \left( \frac{f(x+b) - f(x)}{f(x+b)} \right)$	The Astronomy
J/ F/(x) - 1111   1 (n)	
$\frac{1}{h} \rightarrow 0$	· R. Ally
$= \lim_{n \to \infty} (3n+3h-4-3x+4)$	
h-70 h	
$=\lim_{h\to\infty}\left(\frac{3h}{h}\right)$	TENE THE FAIL
h->0 h/	The state of the s
= lim (3)	15-21-31
h-70 (3)	
= 3	

9			
		Derivatives Ex-	elcise 1
	4)	$f'(x) = \lim_{x \to 0} \left( f(x+h) - f(x) \right)$	1186121213136
		h=0 h=0	0 0 0
		- lim (-7+7)	1 1 - Hit \ 1011
		h->0 h	P. CR.
		- lim ( 0 )	The Contract of the Contract o
0		- h-10 (h)	00-1
10		= 0	A
-		Caller dero tra	MANUEL WAY
9	5)	$f'(x) = \lim_{x \to \infty} (f(x+h) - f(x))$	2
1		n-90 /	(1)(9.1)
		- 1; m /-4h2-8hx-4x	+422
		h-70 (11)	
		- lim (-4h2-8hx)	
9		h-70(h)	1 = (d1) = 1 m
1		- lim (h(-4h-8x))	al ci
		h70 h	1 5 1 5 (m) - 1 1441
-0		- lim (-4h-8x)	I TO VIE
		- h=0 - 4h - 0x)	(42 + 41)
0		=-4(0)-8x	10 10
		=- 4 %	of the state
3		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1) Meins
-	6	f'(x) = lim (f(x+h) - f(x)	(0.10)
-110		(N) - h70 h	YOUNT.
-		- lim (3h2+6hx+3x2-	-2x-2h+1-3x2-2x+1
-		h70 h	
0		lim /3h2+6hx+2h	
0		h->0 h	
		1:00	
10		- h 70 (3h+6x-2)	
		$= 3(0) + 6\chi - 2$	
3		$=6\pi-2$	
3			
3			

