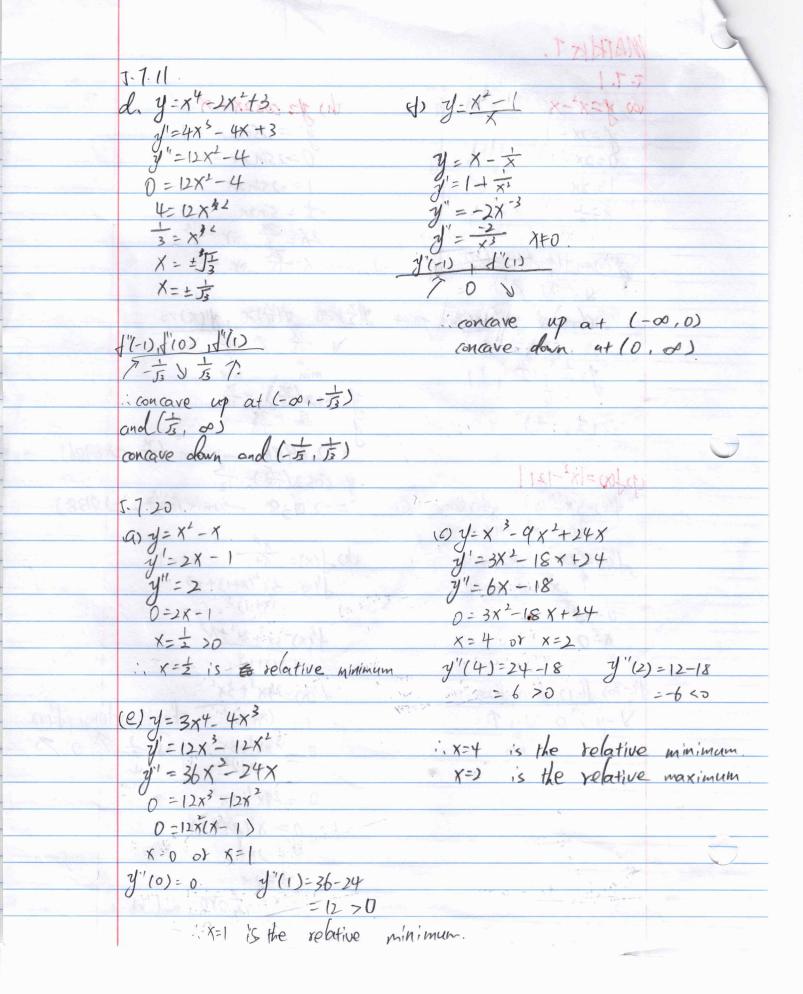


	MATHICT.	
	J. T. Mary and highly the man	11.7.7
	ω y=x2-x	(h) 1/2 cos2x-x
	y'=2x-1	y' =-25in2x -1
	0=2x-1	0=25in2x-1
	1=2X	=-15/n2x XII
	X== X X C-= X	-t = sin2x
	and the total	2X = 70 or 6
	J'(0) = -10 J'(1)=1>0	:X=12 or 1/2
	y 2 /	(t ± ± 2)
(0,00	relative minimum point	が全) 10 y(年) 20 y(に) 15
Load	8 A + + × × × × = 1 + + + + ×	$\frac{72}{12} / \frac{112}{12}$ $min \qquad mix$
	y: ±2	min mix
		7: Cos 2 (1) 0 -12
	: (1,-4)	$y = -\frac{J_3}{2} - \frac{7\chi}{12}$
		=-2.6986 ->min (1/2, -2.6986)
	(1)-{(x)={x²-121}	y= Cos 2 (1)/6)- 1/2
	f(x)= \x^2-121 otherwise	=-2.0138 ->mix (1/2, -2.0138)
	101-x2 -113 X = 11	7-7-4- D
	fix)=(2x otherwise	(k) d(x)= x+1 x+-1
	7-2x -115x511	J'(n) = 3x2(x+1)+x3
	00=2x	(X+1)2
	7=0 × 10/4 ×	+(x)-3x3+3x2+XX3
21-21-18	The second secon	(X+L)
629-5	10-20 fl-10 fl-10 floor	1'(x)=24x3+3x2
	V-11/0 V117	(x+1) (2) (1-1(13) (16(1)
N. N. AN	hin min	$0 = \frac{2}{(x+1)^2} \sqrt{1-\frac{3}{2}} \sqrt{0}$
84 1 X /S/75e	DVIII-day 9H 2. CX	
		0 = 24x +3x = 0
. 1	Of the section of the	$0 = X^{2}(2X+3)$
/	iter si	0 = 2x+3 (6 0)
	100 mg	$3=2\times$ $X=-\frac{2}{2}010 \text{ and } x+1$
		1=-2010 and x+-1



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5.7.26.
 (a) N(t)=-t3+5t2+25t 05+ <8
    N'(t) = -3t^2 + 10t + 25

t = 1 t = 6
   N'(1)=-3+10+25 N'(6)=3(6)2+60+25
                     =3) 70 = -23 <0
                      it is decreasing between bam to 11 am.
          0=-3+2+10++25
          X=-3(x) 0x x=5.
     the maximal at Ilan
 1.7.30.
(in 1 = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0 | lim 1 x > +0 x = 0
                                                                                                                                                              W. f(s)= 52-2
                                                                                                                                                                (im =- n ... V. A . is x=)
         .. V.A. is x=0 = 0.
                                                                                                                                                                                          1 ... H. H is y= 1
                                                                                                                                                         (im x = 3x - 1 - (mx + 6x + 2mx + 26)
 (a) f(x)= tx = 3x+1_
x+2
                                                                                                                                                   = x-+00 JX^2-3X-1-mx^2-6x-2mx-26.
 lim [ 5x2-3x-1 -(mx+b)] =0
RIDE TO THE MET WE CO
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B) X2 47+00 (0X -3 -2mx - 6-2m (m x = 10 - 2m m (im (x1 -(mx+b)) = 0 10-2m=0 1 x7+ x x2-(mx2+6x-mx-6) J-M=2; lim (+x2-3x+1) - (mx+6)] lim x7+05x-1-mx-6x-2mx 26 (im x2-mx3+bx+mx+b x>too 2x-2mx-b+m lim x7+0 JX-3-X-mx-b-2m-26x-1im X-mx-b+m+bx-1

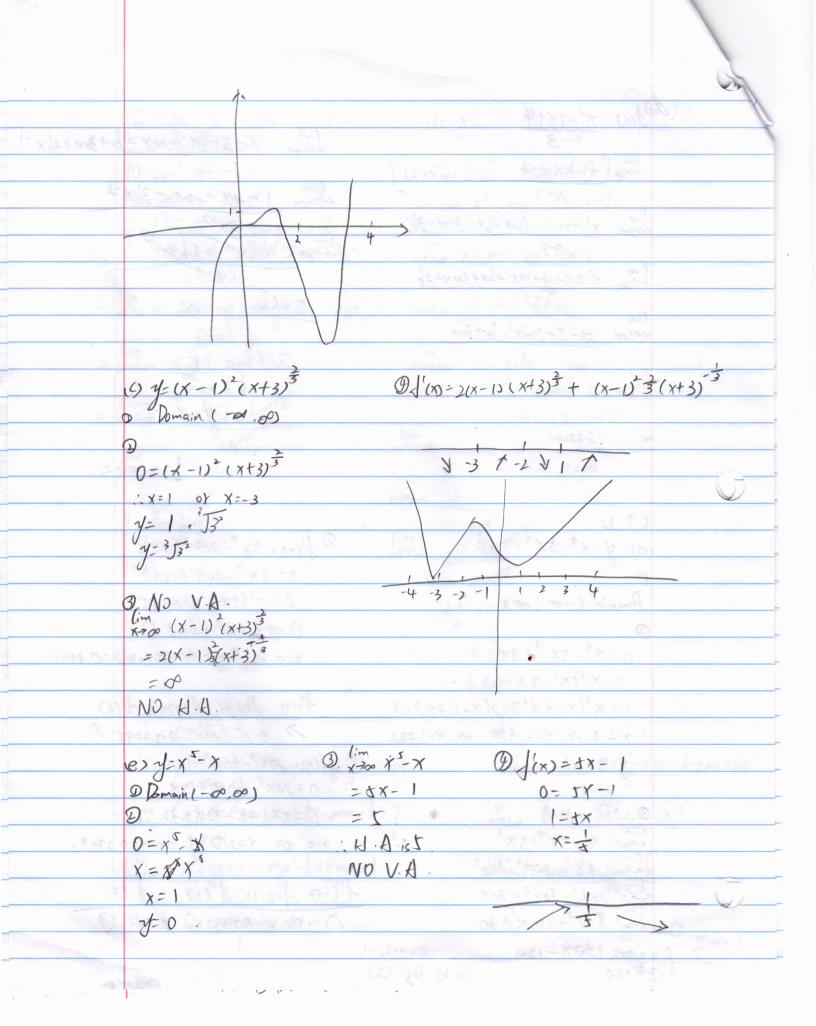
1-x-1

->+00 1-m-1-2 lim X+++00 1+26 =0 3=-1 新ナメーナ=オ (O f(x) = x2+3x+2 (in x > ± 00 X+3-2x - 1-mx - b+m+bx 1-x-1 (im x+to) [x2+3x+2 - (mx+6)] = 0 lim (x2+3x+2-(mx2+6x-mx-6)7 lim x2+3x+2-mx2-bx+mx+b x-1 lim x>+0 2X+3-2mx-6+m 2-2m=0 2=2m m=1 lim 2-2M Krtoo

X-5+4X-1-mx-b+3m+3bx-1
1-3X-1
-4X-2-m-3bx-2
-3x-2
8x-3+6bx-3
-6x-3 (im XPtoo x2-tx+4-(mx2+6x-3mx-Chin x-1x+4-mx+-bx+3mx+36 x=100 2x-5-2mx-6+3m 2-2m = 0 m=1 5.7.32 9. f'(x) = ±x4-20x3+15x 0=5x4-30x3+4x2 Pomain (-00,00) 0= x2(1x2-30x+15) 0=tx (x2-6x+3) 0=x3-1x4+dx3 X=0 08 .X=5.4495 08 X=0.4505 = X3(X2-1X+4) 1 0 7 0 0 50 J J. 4495 7' 1=X3(X-3.6180)(X-1.3820) : X = 0 or X=3.618 or X=1.382 @ J'(x) = 20x3-60x+15x 0 = 20x3-60x2+15x 1 = 5x(4x2-12x+3) B. NO V.A. Cim X5-JX4+JX3

Cim JX4-JOX3+14X2

Cim JX4-JOX3+14X2 X=0 OY X-2.747 OY X=0.2743. 1"(-1) 1"(0,1), 1"(1) , 1"(3) 1/m 20 x 3 - 60 x 2 + 30 x 1/m 60 x - 120 x + 30 0 V 0.283 (2.34) V X->00 120 X-120 #120. : H. A. + DO.



5.7.33 10 /