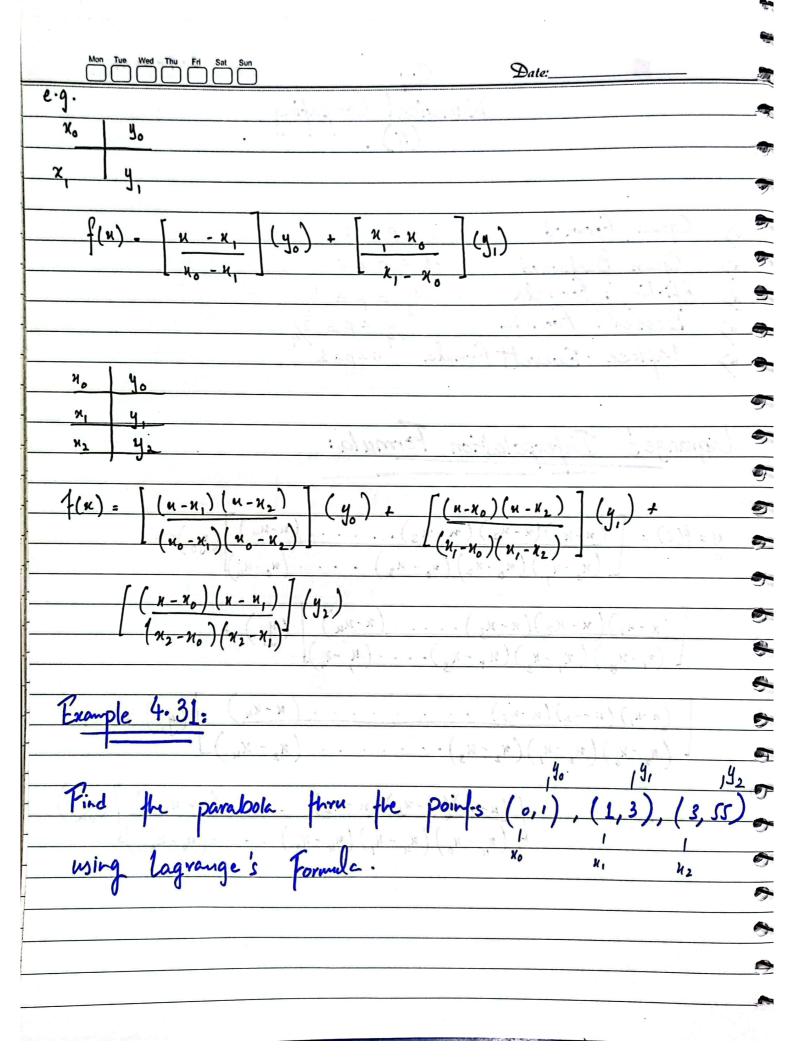
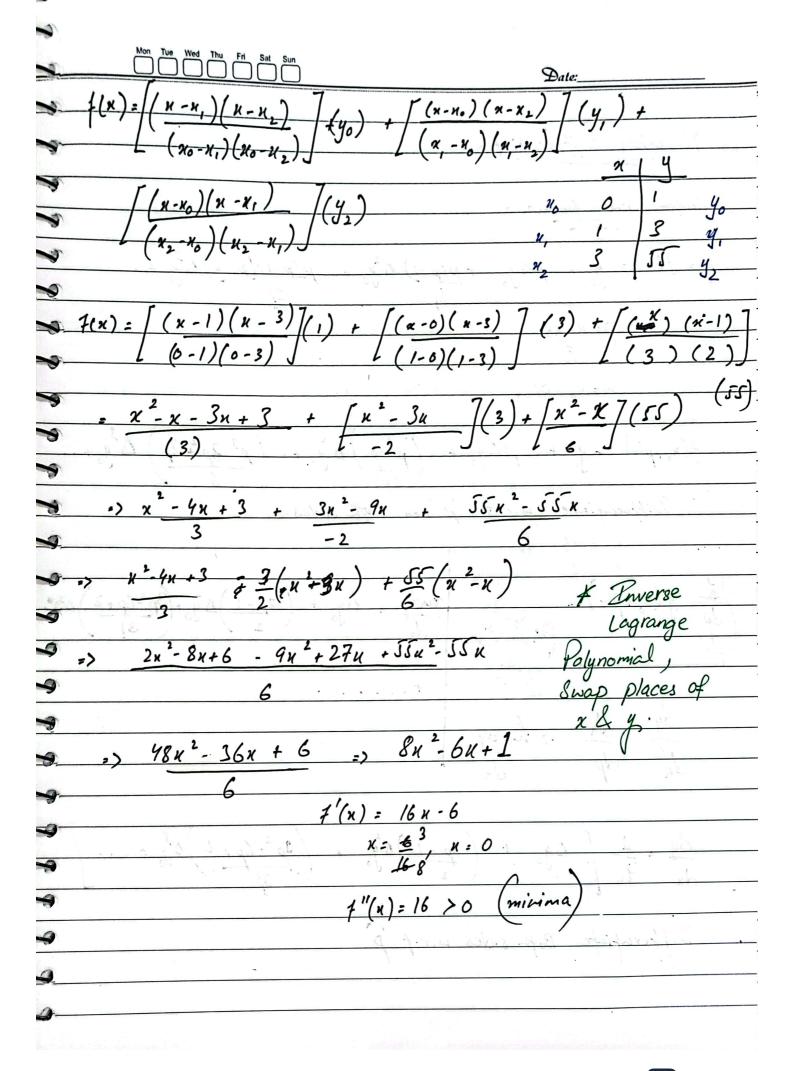
7	Mon Tue Wed Thu Fri Sat Sun C'W Date:_	3-9-2024
*	N - 1 ( - 1:	1.3
	(5).	S. 1 2 M
7		р., т.
	Cyaus Forward 04 P 2 1	
7	Cyans Backward -1 2 p 40	5 h d
~	Bessel's Formula -1/4 p = 1/4  Bessel's Formula 2/4 p = 3/4	
-	>> Bessels Formula 1/4 2 p = 3/4  Laplace - Everett Formula 02p21	
-	sy suprace everel ( similar 0 = p=2	a ak
-		<u> </u>
*	Lagrange's Interpolation Formula:	- A 14
-		
*	(u-v)	N- M) (20)
3	$y = f(x) = \frac{(x - x_1)(x - x_2)(x - x_3)(u - x_u)}{(x_0 - x_1)(x_0 - x_2)(x_0 - x_3)(x_0 - x_u)}$	40) +
-	(No-N) (No-N2) (No-N3) · · · · (No-Nu)	
4	$(x-u_1)(x-u_2)(x-u_3)(x-u_u)$	10
3	(x,-u,)(x-u,)(u,-u,)(u-x,)	V36 - 136
4	<b>4</b>	1
-	$(n-u_1)(n-u_2)(n-u_3) \dots (n-x_u)$	(y) +
-	$ \frac{1}{2} \left( \frac{\eta_2 - \eta_0}{2} \right) \left( \frac{\eta_2 - \eta_1}{2} \right) \left( \frac{\eta_2 - \eta_3}{2} \right) \cdot \cdot \cdot \cdot \cdot \cdot \cdot \cdot \left( \frac{\eta_2 - \eta_3}{2} \right) \cdot $	
9		и-хn-1) 7(4)
-		1 (gh)
-	$\frac{1}{n}\left(\frac{n-n}{n}\right)\left(\frac{n-n}{n}\right)\left(\frac{n-n}{n}\right)$	(M-Mn-1)
-		
-		
•		
-		
That is		





Mon Tue Wed Thu Fri Sat Sun	Date:
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-> Humerical Differentiation:	
Newfor Frd formula:	
y = f(n) = y + pay +	$p(p-1) \Delta^{2}y_{0} + p(p-1)(p-2) \Delta^{3}y_{0} + \dots$
10 / 00 /	21 3/
P= N-40 R	) ( = 2) + ( 1) ( = 2) ( = 2) ( = 2) ( = 2)
$\mathcal{H} = \mathcal{H}_0 + \mathcal{P}h$ . ~	man du = f
7(4,+ph) = y + p Dy	$+ (p^2 - p) \Delta^2 + (p^3 - 20^2 + 2p) \Delta^3 + \cdots$
	$\left(\frac{1}{2!}\right)^{10}\left(\frac{3}{6}\right)^{16}$
Differentiate wir. 7	p on both sides.
de de	
dp) y (n +ph)	hody - My + (2p-1) Ay + (3p-6p+2) Azy.
dp di de	dx 10 2 3!
dy dr	
dy de l	
di do => h. dy	FREE CONTRACTOR CONTRACTOR
on ap dx	
du 1 [ 1	702 /02 / 1) 3
de h Jo (2)	$\left(\frac{\rho-1}{2}\right)\Delta^{\frac{2}{9}}$ + $\left(\frac{3\rho^{\frac{2}{2}}-6\rho+2}{3/2}\right)\Delta^{\frac{2}{9}}$ +
The second secon	
Differentiate Both sides	w.r.f p
•	

