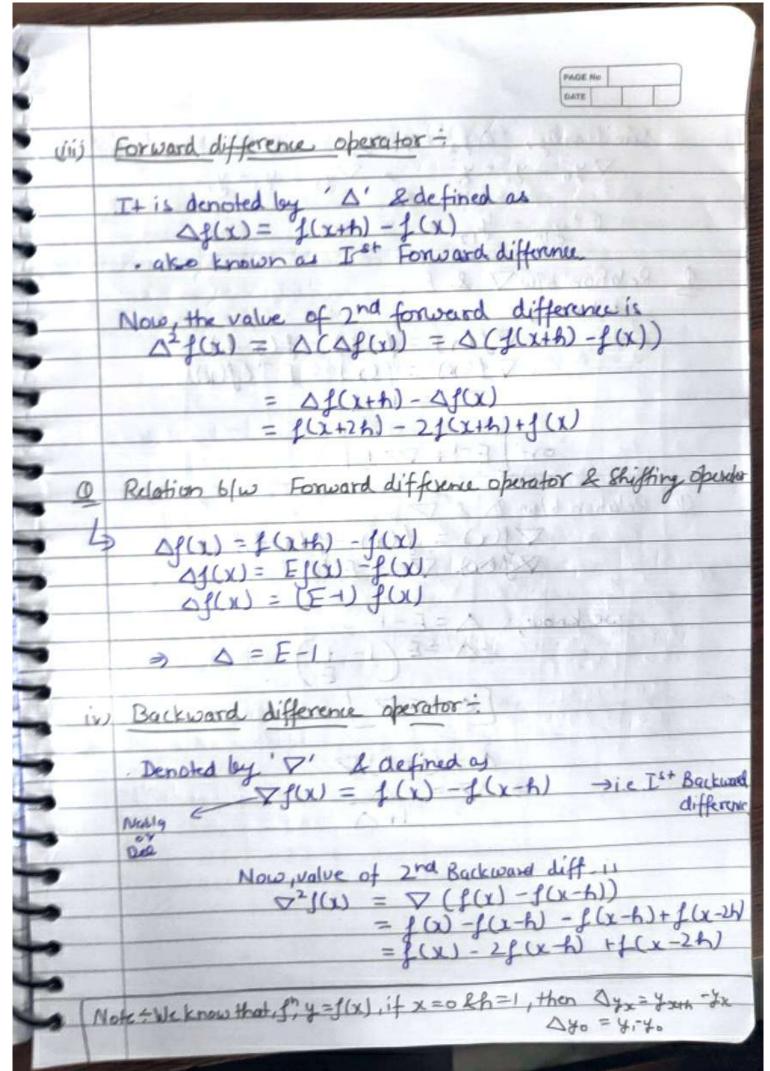
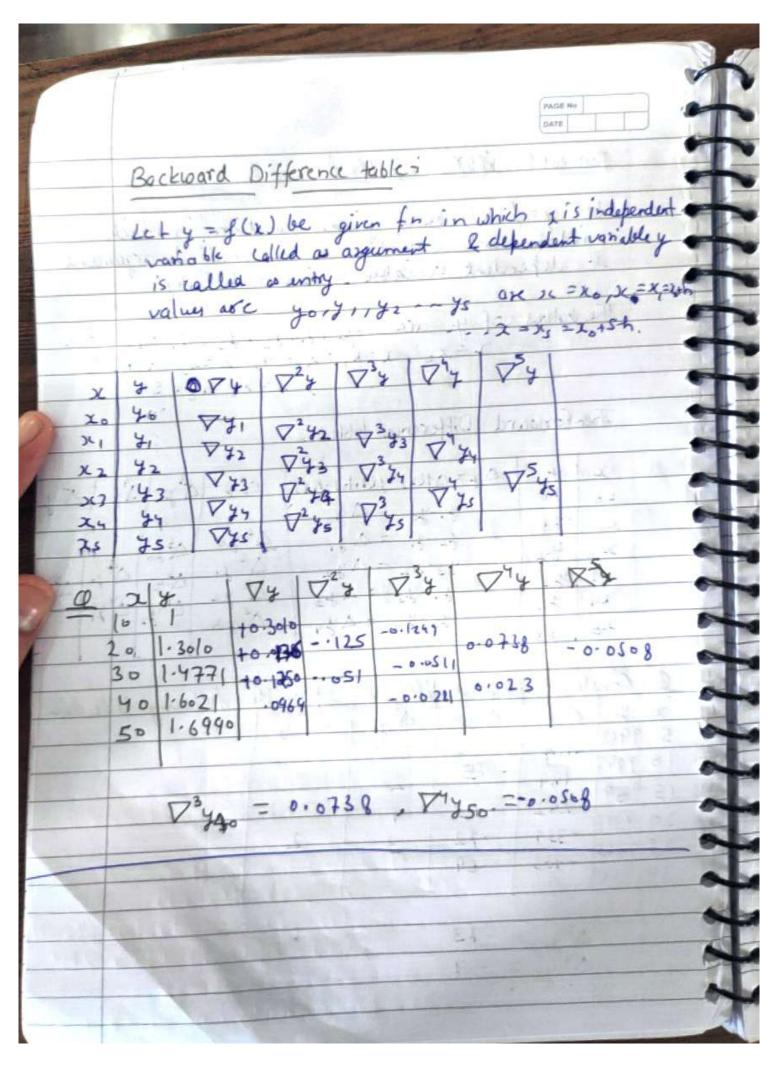
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Times of obosehus:	A VALUE DE LA COLOR DE LA COLO	
Types of operator:		1
is Shifting Operator: It is denoted by  Ef(x) = f(x+h), where  where h = step length doesnocolly	'E' & defined as	
Ef(x) = f(x+h), where	c y=f(x)	1
where, h = step length &generally	1, lh=1)	1
		1
$E \int (x+h) = \int (x+h+h) = \int (x+2h)$ $E^{2} \int (x+h+h) = \int (x+2h)$	0.5	7
		1
= f(1(x+h)) $= f(x+2h)$	120	1
100m, E"J(x) = f(x+2h)	1 + 10	14
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1 Find the relation between E & D Co	differiential operator)	100
Lo we know that,	maliposition.	1
the definition of shifting open	atoris	-
$E_{J}(x) = f(x+h)$ $E_{J}(x) + h^{o}f'(x)$	1) + 42 8"(2)4	-
	21	100
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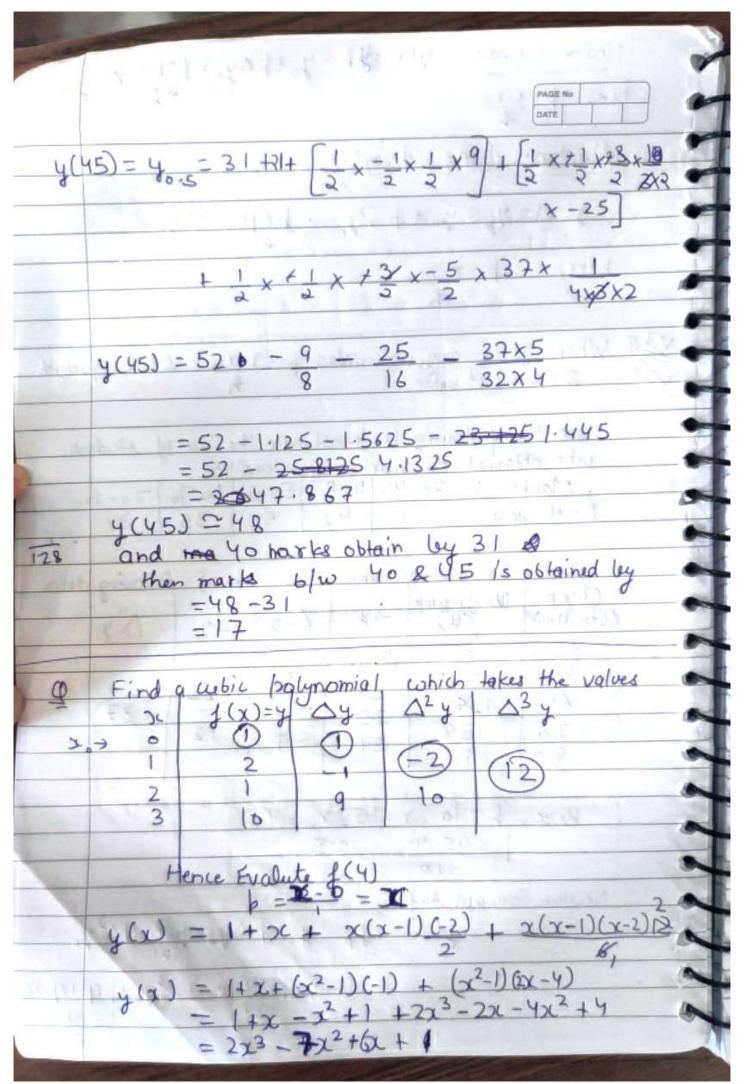


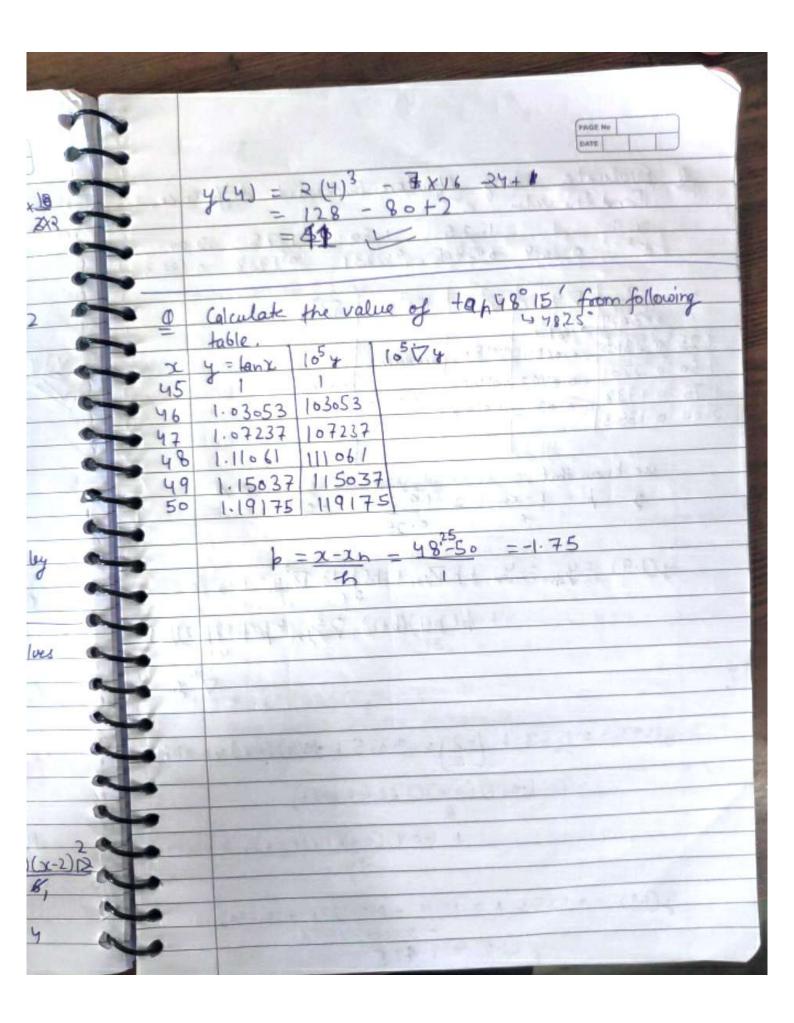
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1 = 1 = 1	
Similarly, Dy2 = 43-42	
7 40 = 40 - 4-1 0 Vy3 = 43 - 42	+
	-
$E^{2}y = y$	
Q Relation b/w \ & E.	
$\nabla f(x) = f(x) - f(x-h)$	
$\nabla f(x) = f(x) - E^{-1}(f(x))$	1
V= 1+1111	
$\nabla f(x) = f(x) - f(x-h)$ $\nabla f(x) = f(x) - E^{-1}(f(x))$ $\nabla f(x) = f(x) - E^{-1}(f(x))$ $\nabla f(x) = f(x) - E^{-1}(f(x))$	
or [E-1+ P=1]	7
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Q Relation blw D&V.	1
Q Relation $b(w) = f(x) - f(x-b)$ $\nabla f(x) = f(x) - f(x-b)$ $\nabla f(x) = f(x) - f(x-b)$	
\$1000 V=1-E	
we know, $\Delta = E - 1$	1
$-\Delta = E\left(1 - \frac{1}{E}\right)$	1
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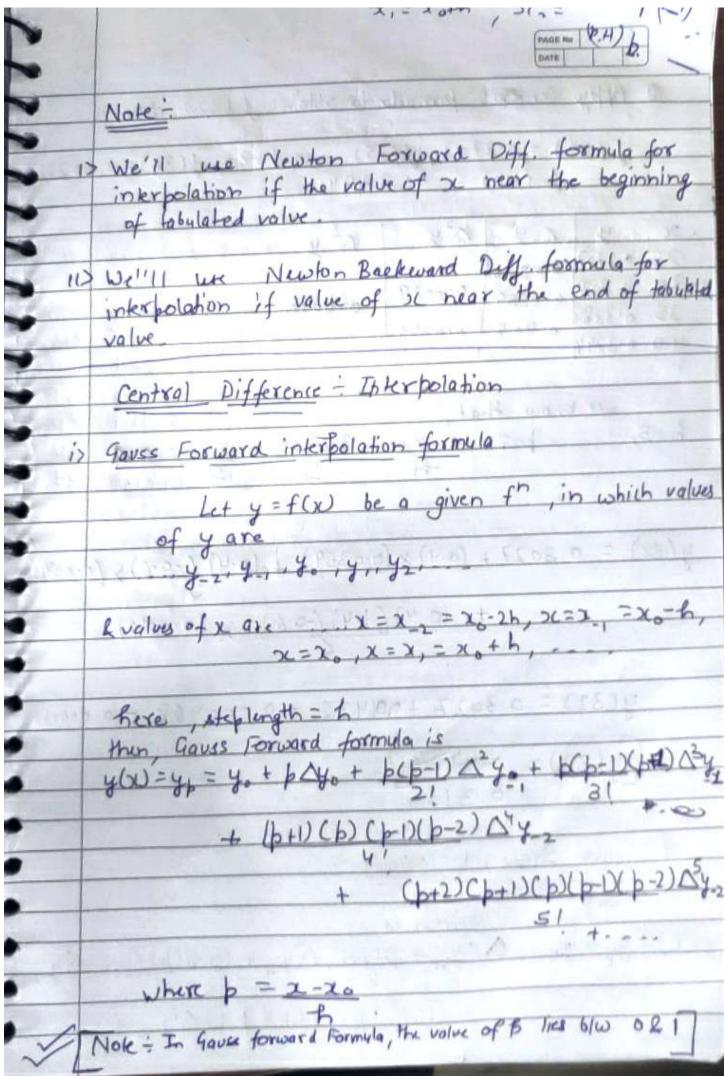


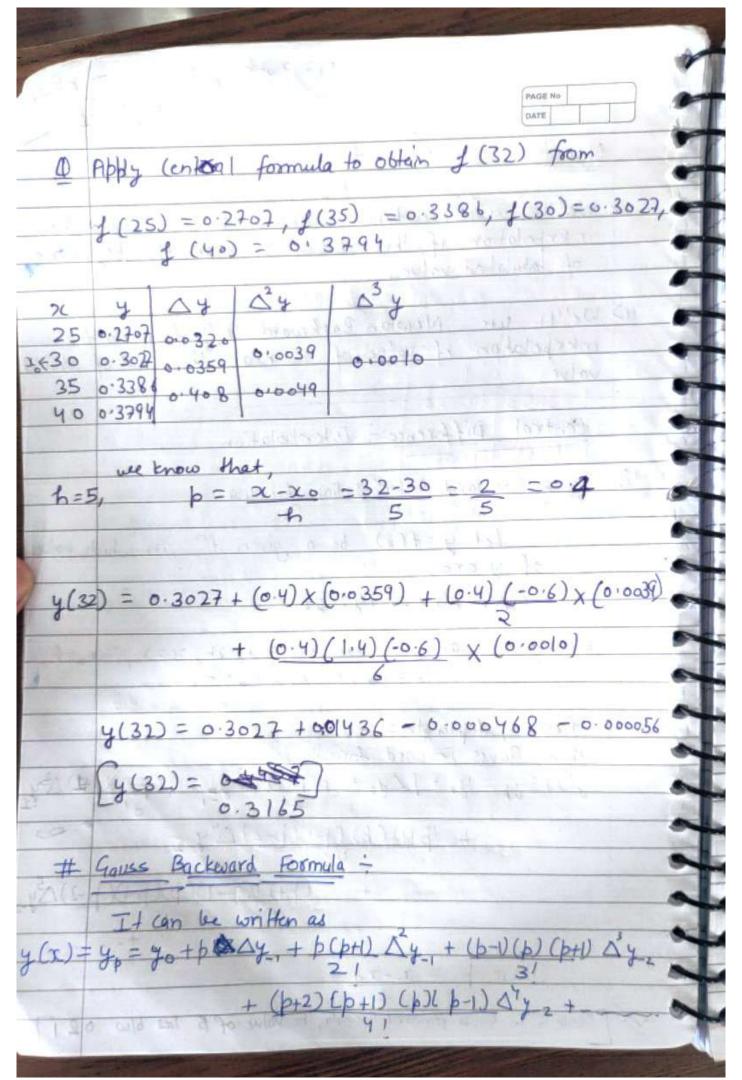
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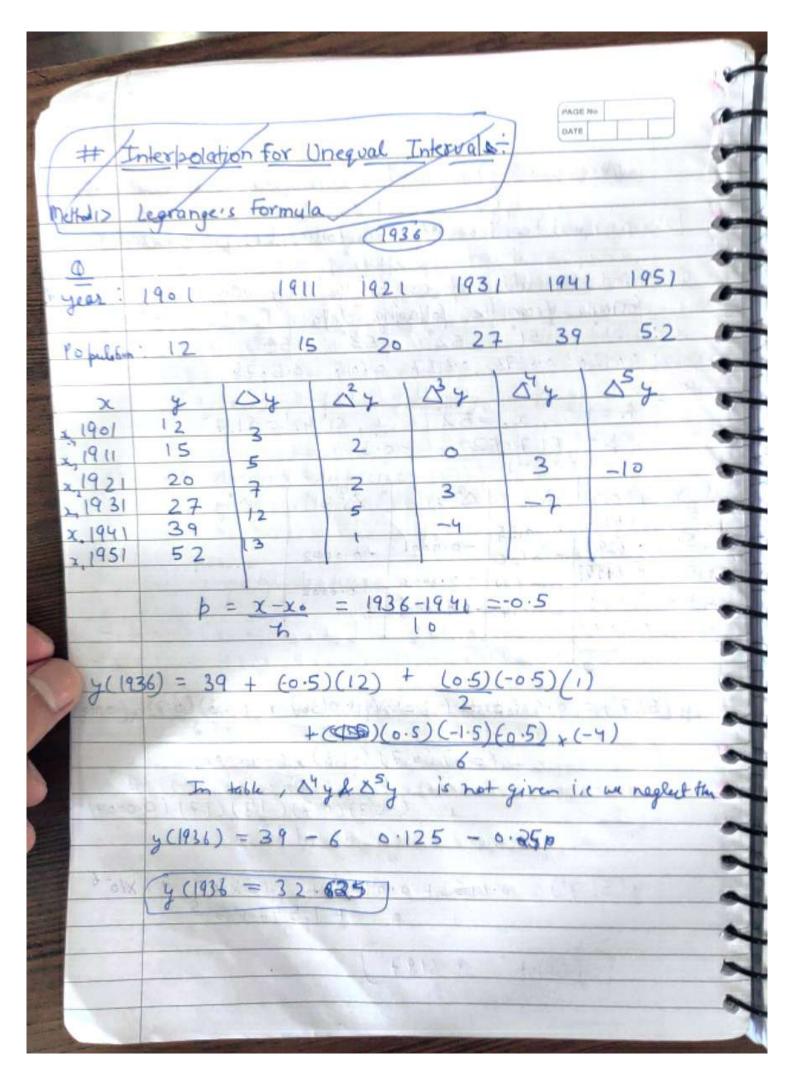


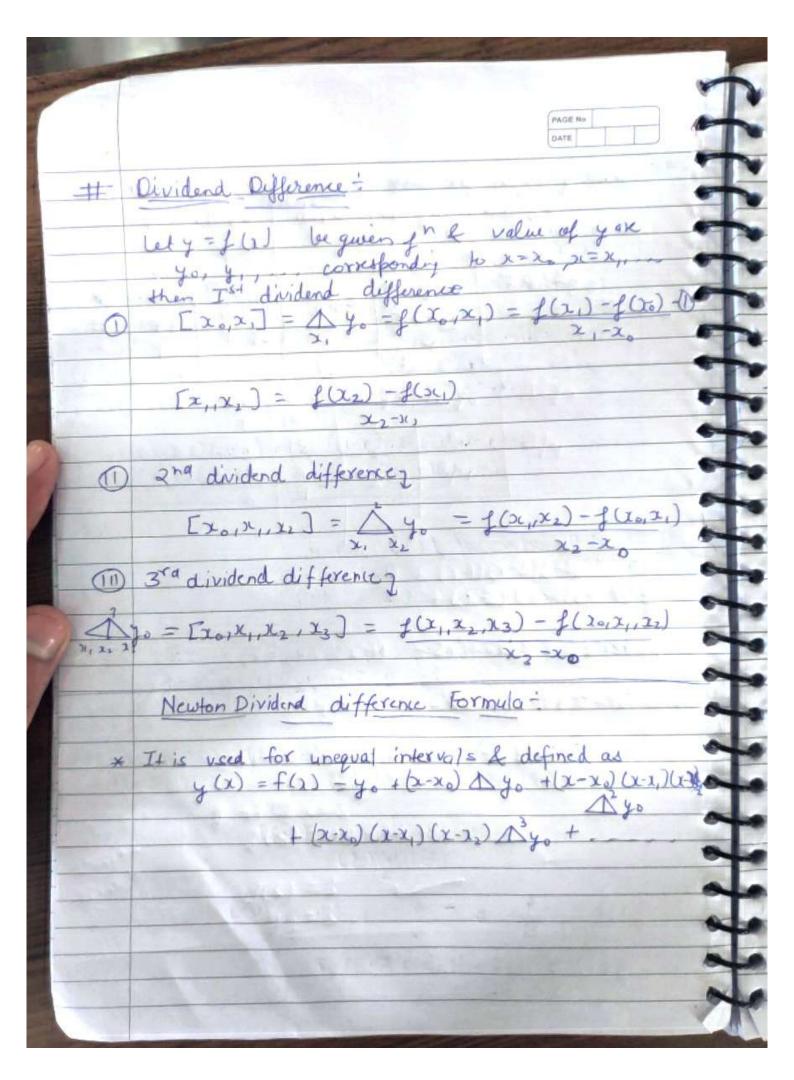
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Evaluate using Newton Backward difference, Find the value e 19 100	-
Find the value e 1.50 11.75 2.00	
7: 1 1.25 1.50 1.75 2.00 E-71: 0.3679 0.2865 0.2231 0.1738 0.1353	
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+ b(b+1)(b+2) \(\nabla^3 yn + b(\p+1)(\p+2)\p3)	-
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to the	
4(19) = 0.1353 + 1-21, -0.305 + ato, 4)(0.6)	Š
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t (-0.4) (0.6) (1.6) (-0.0033)	4
+ (-0.4)(0.(X11)(0.1)	
+ (-0.4)(0.6)(1.6) x 0.0006	M
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4(1.9)=1.495	4





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~	where	b = x -	10	LIBAGE	Na Para		
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				4-12-6	-		1
0	Find H	e value	of cos	51° 42'	by using	9 9005	s back
	formula	from H	he follow	ng data	0		
X	50		52°		54°		X
COSX	0.6428	0.6293	0.6157	0.6018	0.5878		
soly				10 2.4 L			· V
	h=1	, X .	= 52		42'=51.7		1.60
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1	- 4	1-037		-/ SPW	4-1 4-1		en i
y (	51.7°) =	0.6153	+ (-0.3)	x (-0.013	66) + (-0	3) (0.7)	v/-0-0
	E SEC	2 65 37				2	10
7	T. Pice S	+ 6	0.3) (0.	7) (-1.3)	x (-0.000	02)	
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-	1 y	(51-7)	= 0.619	7			
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1	Find the			from the	following	data
X	y=f(2)	Ay.	À40	13 yo	140	
1,-4	12,45	6.85				31 32
1, -	33	-28	-8.4125	3-11975	1	9 1
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<b>9</b> (0	Find 1	alm of	1(2)	and t		
·x	4	Ayo	12 yo	13yo	140	
-4	1245	404	(94)	3	H	41.55
-	33	-28		(-14)	(3)	Y.
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24	1 (4- A)	9-113	1 - Y 1			
1	f(x) =	1245+	(x+4) C-41	04) + (X+4	(x+1) (D)	74)
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-		12 3 13	- Caril			572 6
			+ 60+4	] (x+D(x) [	-14 +3x-	67
10/2					Tr. N	
7	=1	245+	(X+4) [-31	0+94x +	(X+4)(X+1)(	in) [31-50]
	10	GET OF	2 21-21	7 6x -12	40 + 1 2 +	22+60/32-29
		75				
-	= 9	4x2+6	6x +5 +	324 - 703	$13 + 6x^3 - 40$	0x2+12x2-80x
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