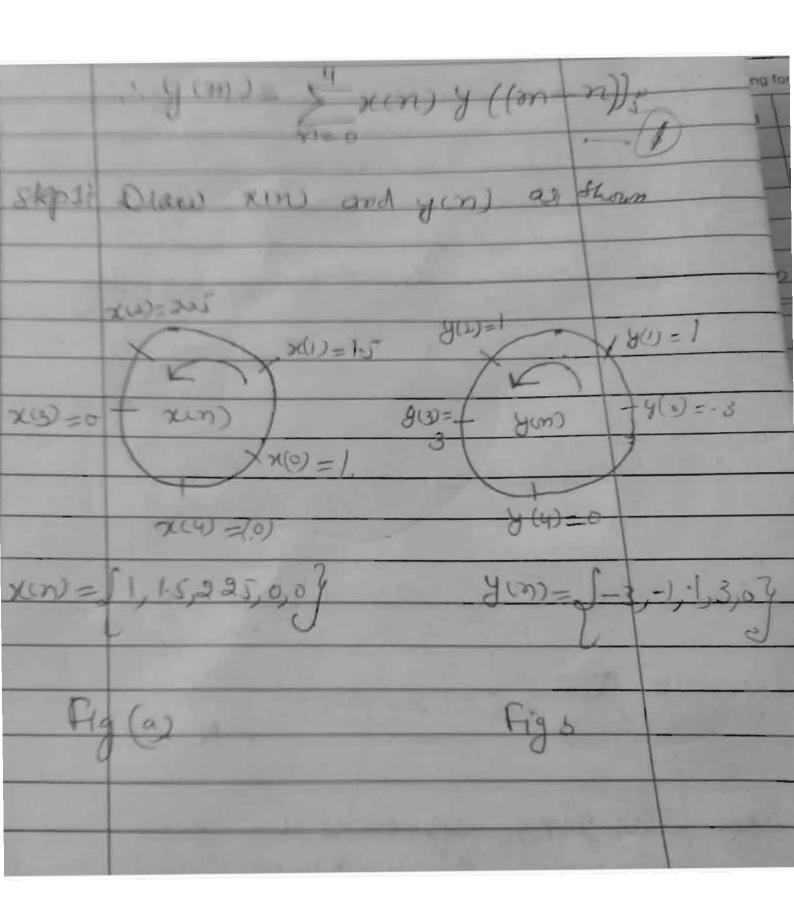
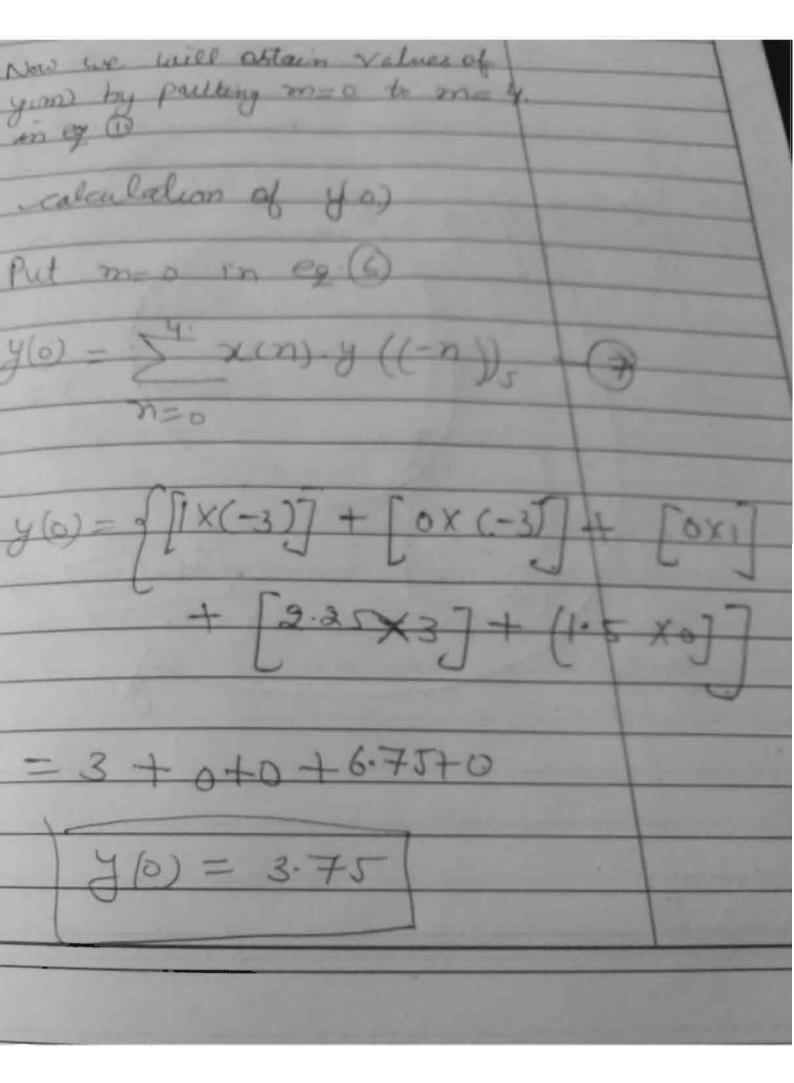
Francisco to	Class		to	0	
	Carl	S B Keels 2rd	yr (E.CE)	Home Work	
F	Mune on	Numerical	of convalution	1-	1
1	of two D	phical metho circular co	defende as		
	yon = 2n-	(1.5);	0 <ns2< td=""><td></td><td>-</td></ns2<>		-
	cotainedis,	same to t	convolution		
-			(1.5)°;	OKn	5
	35 10 14				

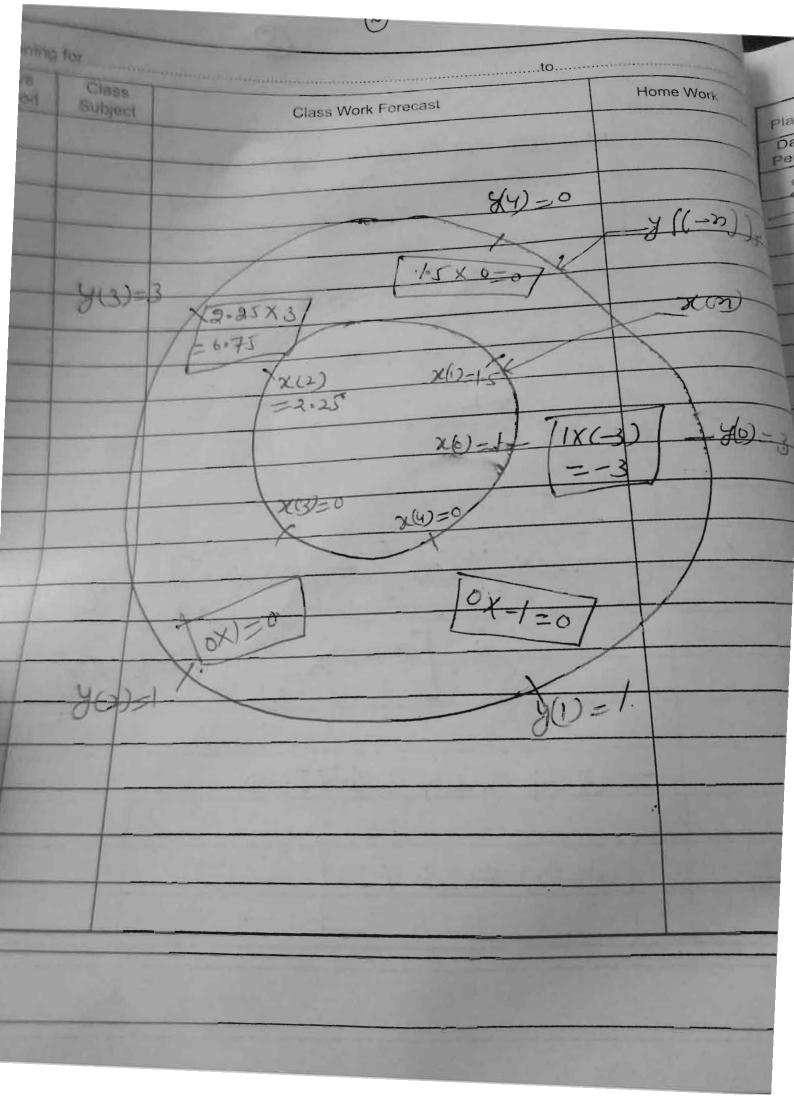
Class	Chase Assist a standard
Subject	Gor n=70=> x(0)=(1.5)0=1
	for mere
	-2-1-2 x(1) = (1.5) = 1.5
For	n=1=7 x(1) = (1.5) = 1.5
	y = y(2) = (1.5) = 2.25
Por	n=2=> x(2) = (1.5) = 2.25
	: x(n) = [1, 1.5, 2.25]
	$y(n) = 2n - 3, 0 \le n \le 3$
NOW	$y(n) = 2n - 3, 0 \le n \le 3$
	The state of the s
For	n=0=> y(0)=0-3=-3
C	1 -1 -> 4(1) - 0-2-1
for	n=1=7 y(1)=2-3=-1.
Par	n=2 => y(2) = 4-3=1
1000	
Po	x x-2 => 4/23 /-2-3
90	$r = 3 \Rightarrow y(3) = 6-3 = 3$
	1 1 1 2 1 2 3
100	: y(n) = q -3,-1,1,39
	Scanned with CamScanner

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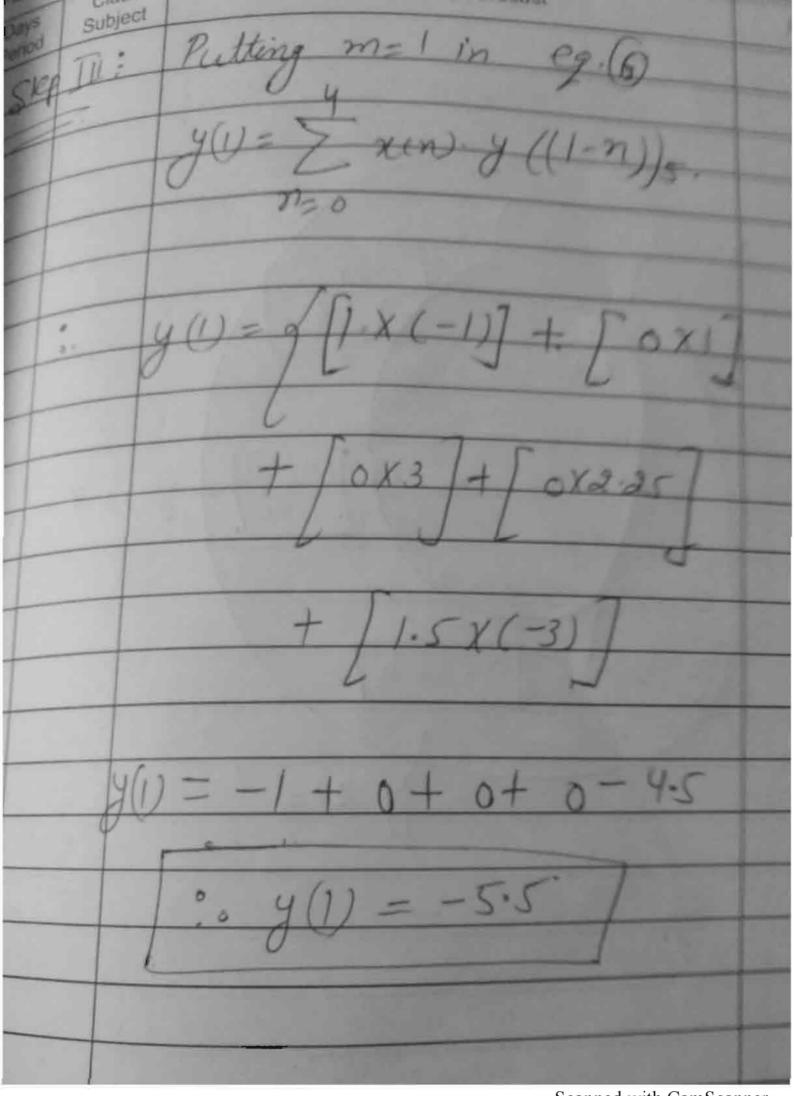
	Class	Class Work Forecast	Home Work
d	Surjee	It is asked to calculate 5-1	aint
+		OFT. That means length of ear	4
+		sequence should be 5. This	
+		length is adjusted by adding	1
T		zero at the end of each	
		sequence as follows (zero po	Adding).
		1	10
		x(n) = \$1, 1.5, 2.25, 0,	014
			1
200	1	$(m) = \{-3, -1, 1, 3, 0\}$	4
111	10		
-	-		
			,
- K-	12/9	curry to the definition of	of lociscular cours
46			STATE STREET,
96			
26	~1	N-1	
06	m) =	N-1	
C	m) =	9	
C	m) =	N-1	
Ca	m) =	2 x,(n) x2 ((m-n)),	
Ca	m) =	Le given sequences are	
C	m) =	2 x,(n) x2 ((m-n)),	



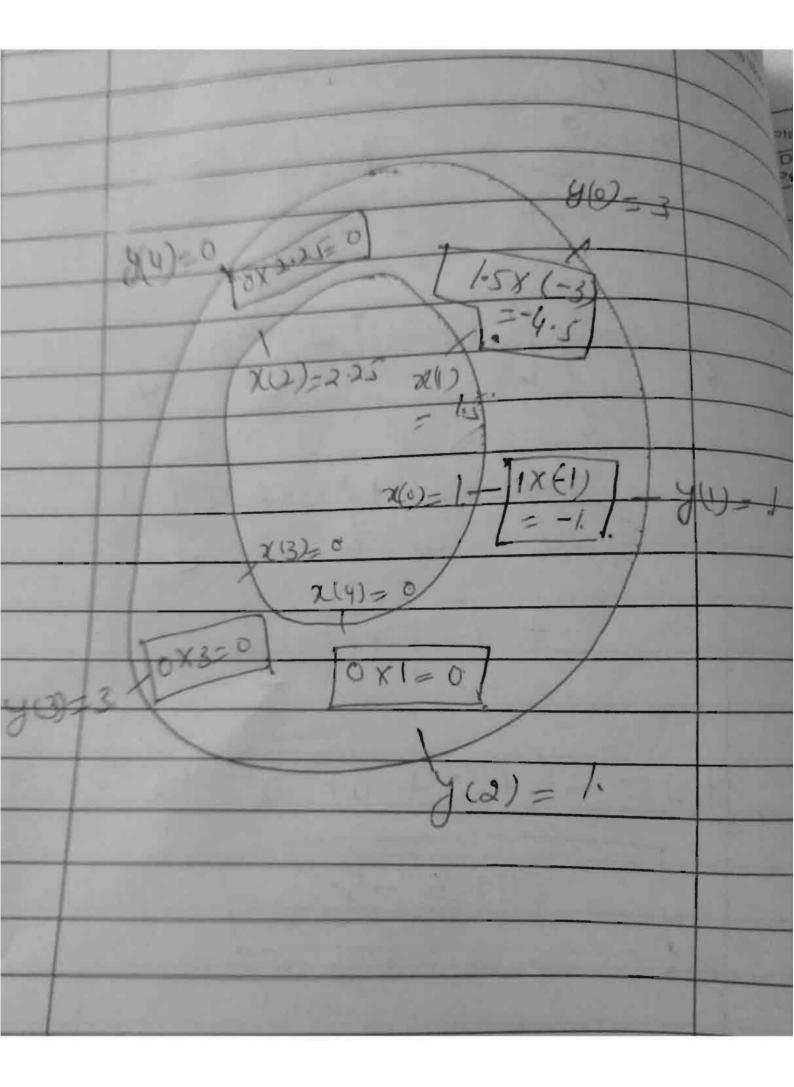


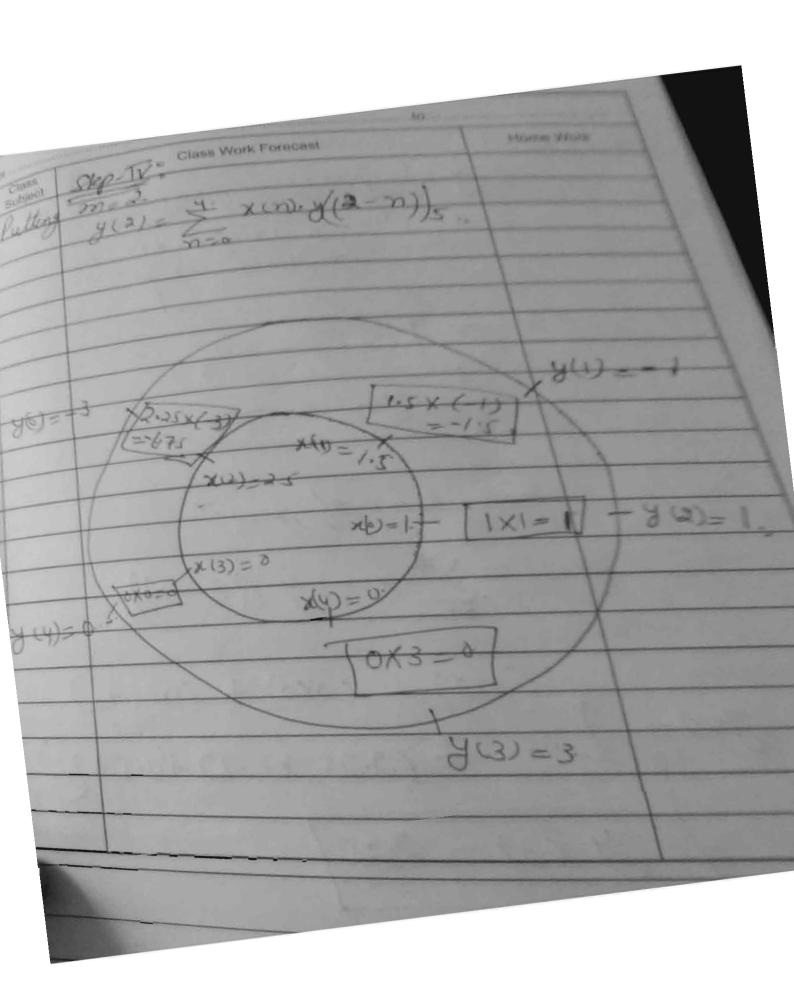


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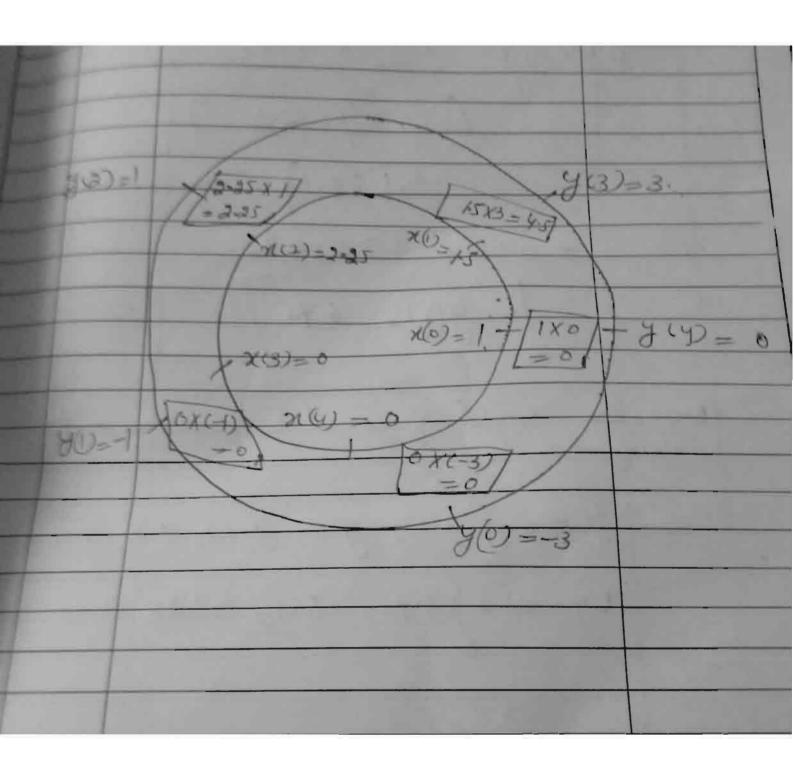


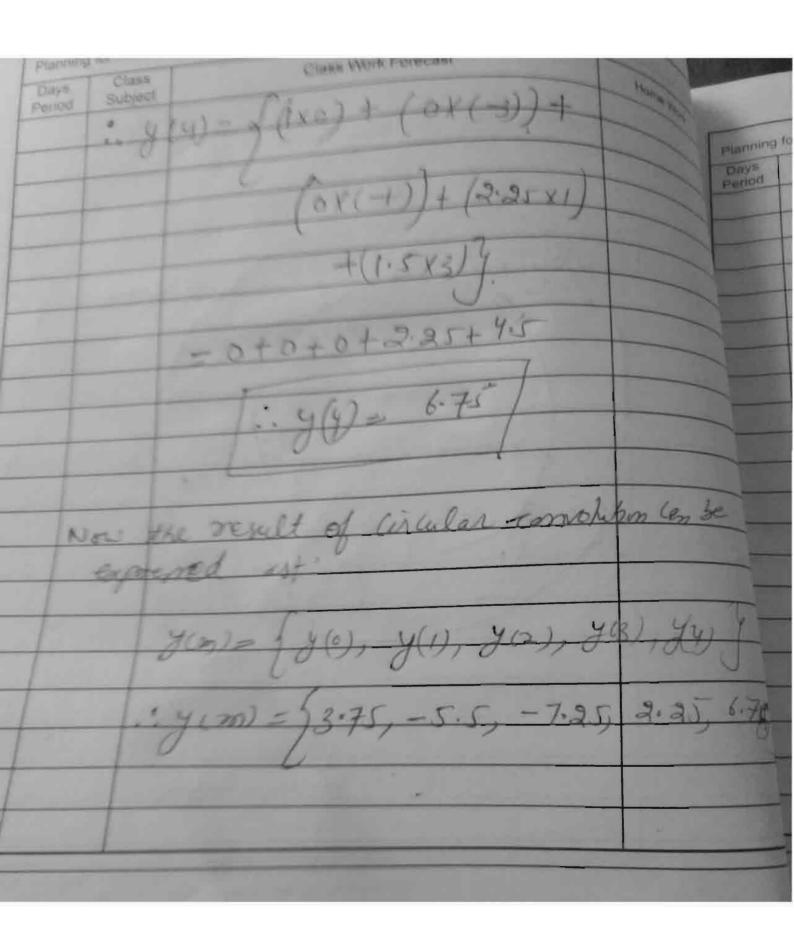
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$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			
$\frac{1}{1000} + 12.25 \times (-1) \frac{1}{1000} + (1.5 $	Period	Subject	: 4(2) = 5(1X1) + (0X3) +
$= 1 + 0 + 0 = 6.75 - 1.5$ $\therefore y(2) = -7257$ $\Rightarrow y(3) = \sum_{n=0}^{\infty} x(n) \cdot y(3-n) = \sum_{n=0}^{\infty} x(n) \cdot y(3-n) = \sum_{n=0}^{\infty} x(n) + (0x(-3)) = \sum_{n=0}^{\infty} x(-1) + (1.5x) = \sum_{n=0}^{\infty} x(-1) + $			
$= 1 + 0 + 0 = 6.75 - 1.5$ $\therefore y(2) = -7257$ $\Rightarrow y(3) = \sum_{n=0}^{\infty} x(n) \cdot y(3-n) = \sum_{n=0}^{\infty} x(n) \cdot y(3-n) = \sum_{n=0}^{\infty} x(n) + (0x(-3)) = \sum_{n=0}^{\infty} x(-1) + (1.5x) = \sum_{n=0}^{\infty} x(-1) + $			(OXO) + 12.25 X (-3)
$\frac{1}{3} = \frac{1}{3} = \frac{1}$			7000
$\frac{1}{3} = \frac{1}{3} = \frac{1}$			
Step = $\frac{1}{3}$ calculation of $y(3)$: $y(3) = \frac{1}{3} \times (n) \cdot y \cdot (3-n) \cdot \frac{1}{3} $			= 1 toto - 6.75 - 1.5
Skn- \overline{x} calculation of $y(3)$: $y(3) = \sum_{n=0}^{\infty} x(n) \cdot y(3-n) $ $y(3) = \begin{cases} (1x3) + (0x0) + (0x(-3)) \\ + (2.25)x(-1) + (1.5x) \end{cases}$ $y(3) = 2.25$			7.5 (1:0) 79.57
$y(3) = \sum_{n=0}^{4} x(n) \cdot y((3-n)) = \sum_{n=0}^{4} x(n) \cdot y((n)) = \sum_{n=0}^{4} x(n) \cdot y((n) \cdot y((n)) = \sum_{n=0}^{4} x(n) \cdot y((n)) = \sum_{n=0}^{4} x(n) \cdot y((n)) = \sum_{n=0}^{4} x(n) \cdot y((n)) =$			$\left(\begin{array}{c} \cdot \cdot$
$y(3) = \sum_{n=0}^{4} x(n) \cdot y((3-n)) = \sum_{n=0}^{4} x(n) \cdot y((n)) = \sum_{n=0}^{4} x(n) \cdot y((n) \cdot y((n)) = \sum_{n=0}^{4} x(n) \cdot y((n)) = \sum_{n=0}^{4} x(n) \cdot y((n)) = \sum_{n=0}^{4} x(n) \cdot y((n)) =$			
$y(3) = \sum_{n=0}^{4} x(n) \cdot y((3-n)) = \sum_{n=0}^{4} x(n) \cdot y((n)) = \sum_{n=0}^{4} x(n) \cdot y((n) \cdot y((n)) = \sum_{n=0}^{4} x(n) \cdot y((n)) = \sum_{n=0}^{4} x(n) \cdot y((n)) = \sum_{n=0}^{4} x(n) \cdot y((n)) =$	Sten-	V	calculation of 4(3) -:
$\int_{-1}^{1} \frac{f(1x3) + (0x0) + (0x(-3))}{f(2-25) + (2-25)}$			00
$\int_{-1}^{1} \frac{f(1x3) + (0x0) + (0x(-3))}{f(2-25) + (2-25)}$			43) = 5 x(n) 4 (13-n1)
$\frac{y(3)}{+(2.25)} + (3.25)$ $\frac{y(3)}{-(3)} = 2.25$			7=0
$\frac{1}{y(3)} = \frac{1}{y(3)} = \frac{1}{2\cdot 25} \times (-1) + \frac{1}{(1\cdot 5)}$			
$\frac{y(3)}{+(2.25)} + (3.25)$ $\frac{y(3)}{-(3)} = 2.25$			S(1x3) + (0x0) + (0x(+3))
[J (3) = 2.25]	. 7	(3) -	
			+ (2.25 x(-1) + (1.5x))
		1.	
		1	7 (3) = 2.25
arks:			
	arks :		
	4 4 3		





05 Class Subject	CIDES WORK FIVERORS
	comparision with linear Completions
	xm={1,15, 2.25}
	= {1, 1.5, 2.25, 0}
and	yen) = {-3,-1,1,3}
Let	y(n) = x(n) * y(n).
The s	linear convolution of new and year is show
-3.	$\frac{1}{12} \frac{1}{3} 1$
-1	-1-1-1.5, -a.a.5 / 0 / E
1	1/1.5/225/0/=3(5)
3.	y.5 6.75 (6)
3. JA	

		$\frac{y_{1}(0) = -3}{y_{1}(1) = -1 - 4.5 = -5.5}$ $\frac{y_{1}(1) = -1 - 4.5 = -5.5}{y_{1}(2) = 1 - 1.5 - 6.75 = -7.25}$ $\frac{y_{1}(2) = 3 + 1.5 - 2.25 = 2.25}{y_{1}(3) = 3 + 1.5 - 2.25}$	111111
		$y_1(1) = -1 - y \cdot 5 = -5.5$ $y_1(2) = 1 - 1.5 - 6.75 = -7.25$	
		41(2) = 1-1.5 - 6.75 = -7.25	
		41(3)= 3+1.5-2 = 2.25	
		41137= 3+1.5-225= 2.23	
		Y1(4) = 4.5+2.25 = 6.75	
		y1(5) = 6.75+ 0 = 6.75	
		7,(4)=6	
T	Bus 3	x(n) + y(n) = {-3, -55, -725, 22	5
		6.75,03	
Vote		reules (modulous and livies	
	1	envelutions are not same	