

DATE: _____

D D D D D

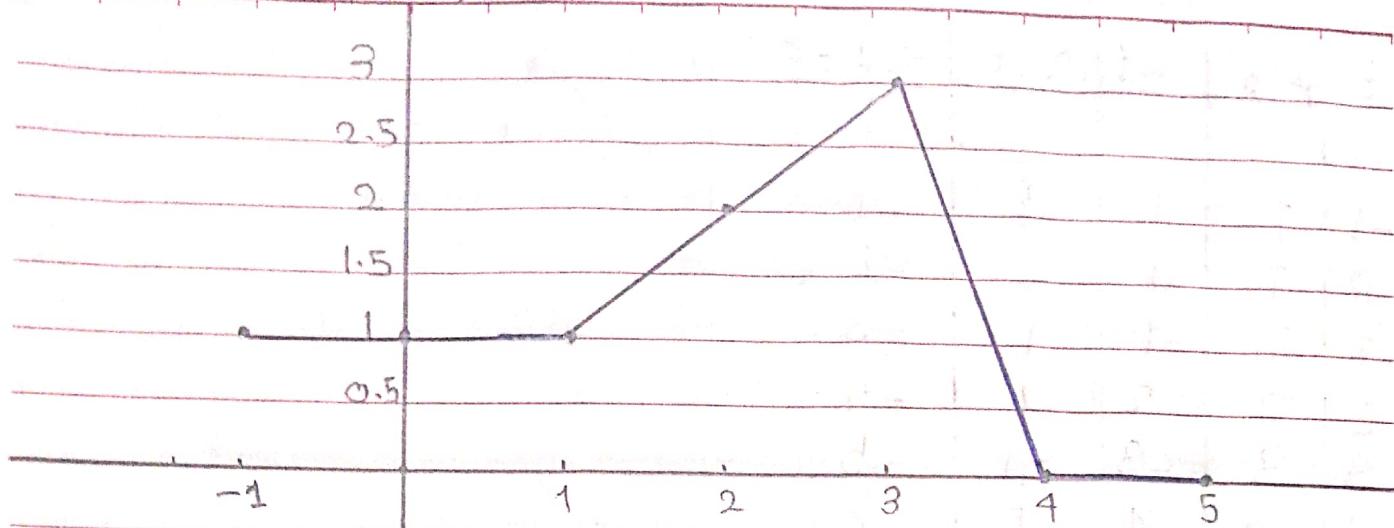
t	$x(t)$	$t-3$	$t+1$
-5	0	-2	-6
-4	0	-1	-5
-3	0	0	-4
-2	0	1	-3
-1	1	2	-2
0	7	3	-1
1	4	4	0
2	2	5	1
3	3	6	2
4	0	7	3
5	0	8	4

FT

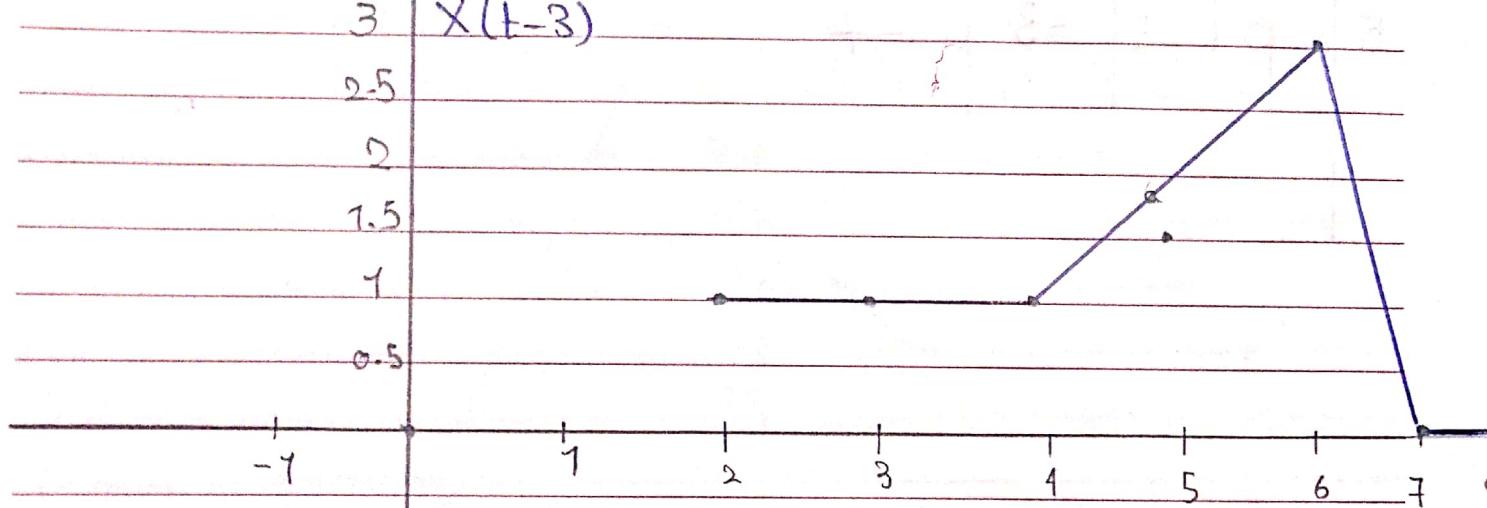
DATE: _____

SUBJECT: _____

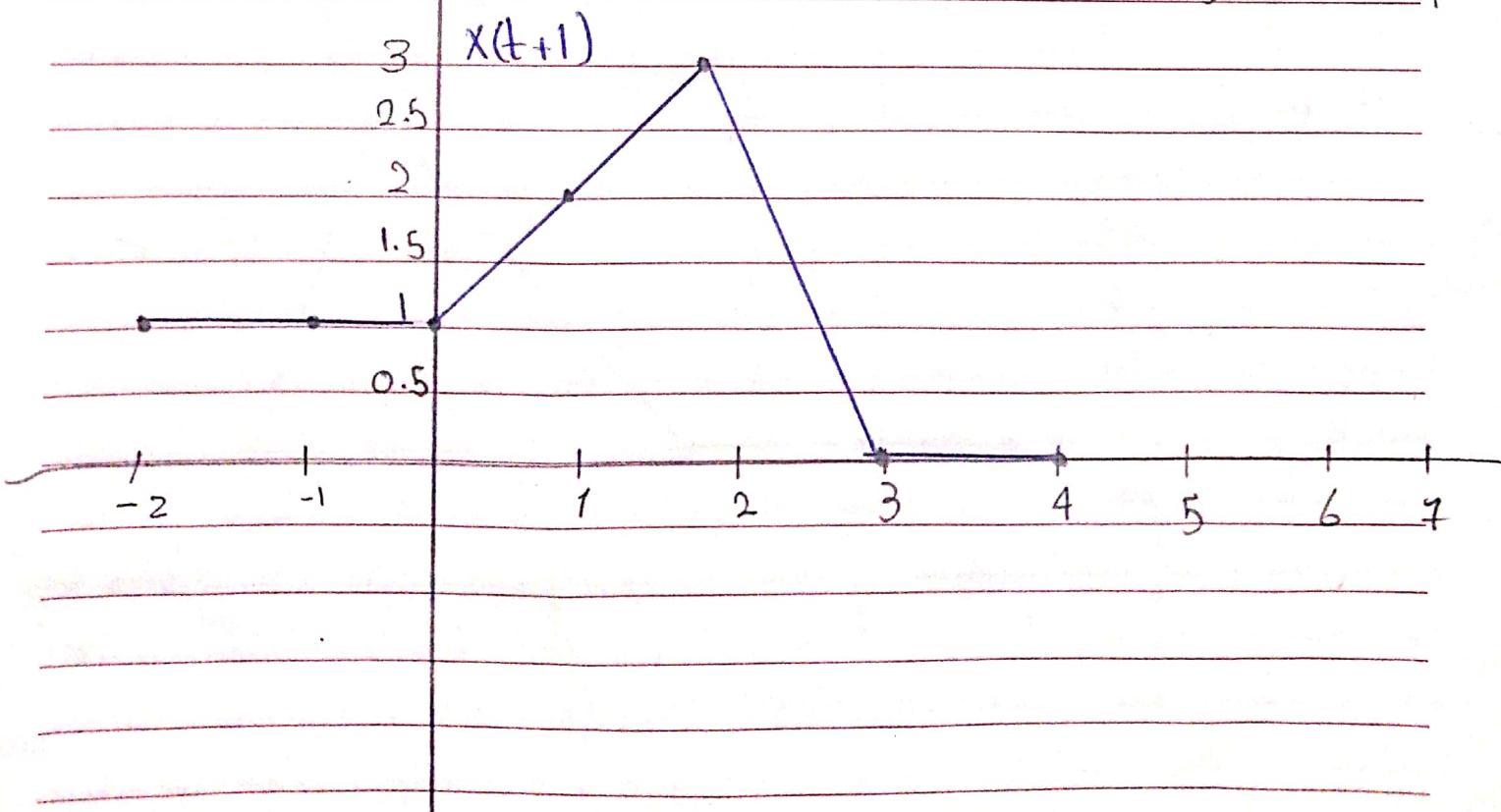
$X(t)$



$X(t-3)$



$X(t+1)$



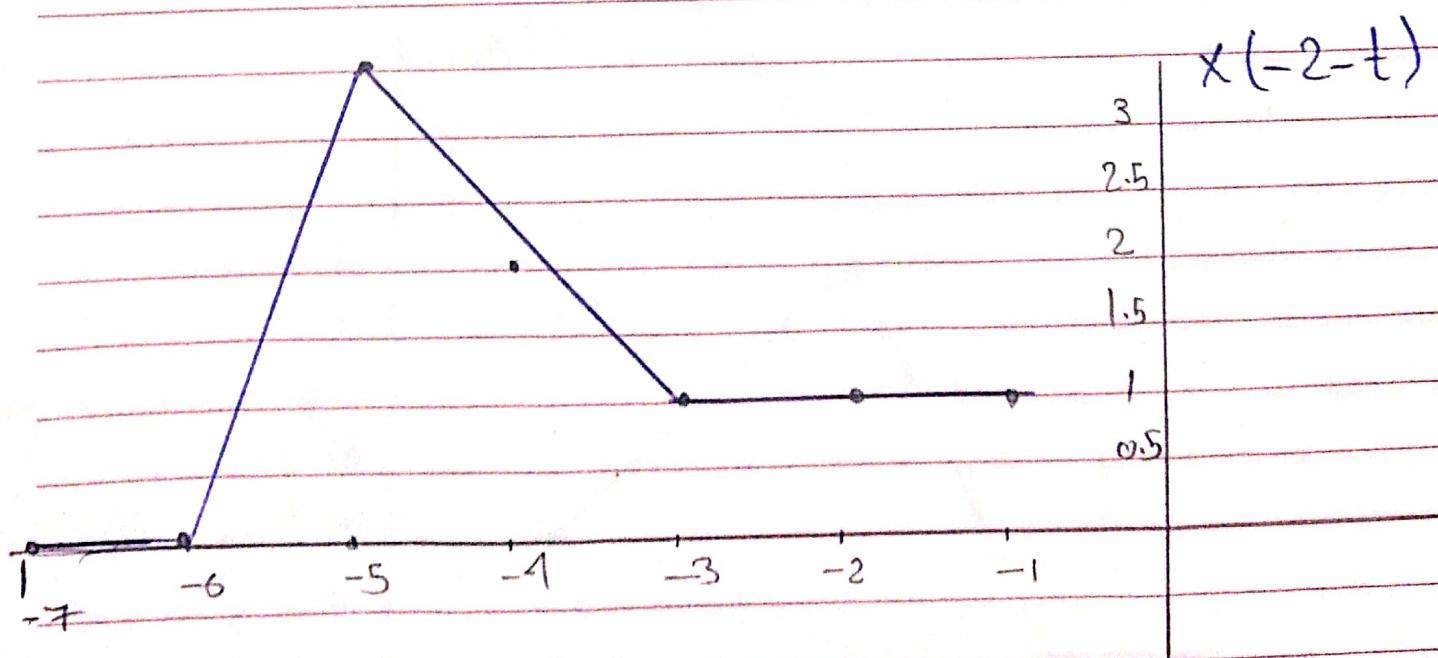
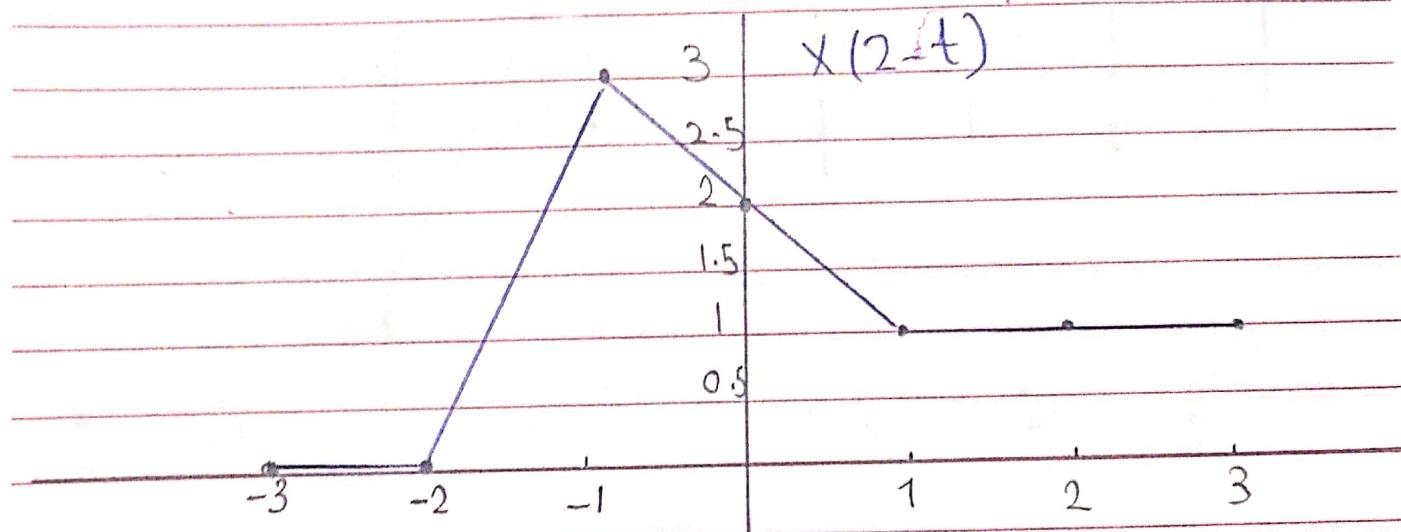
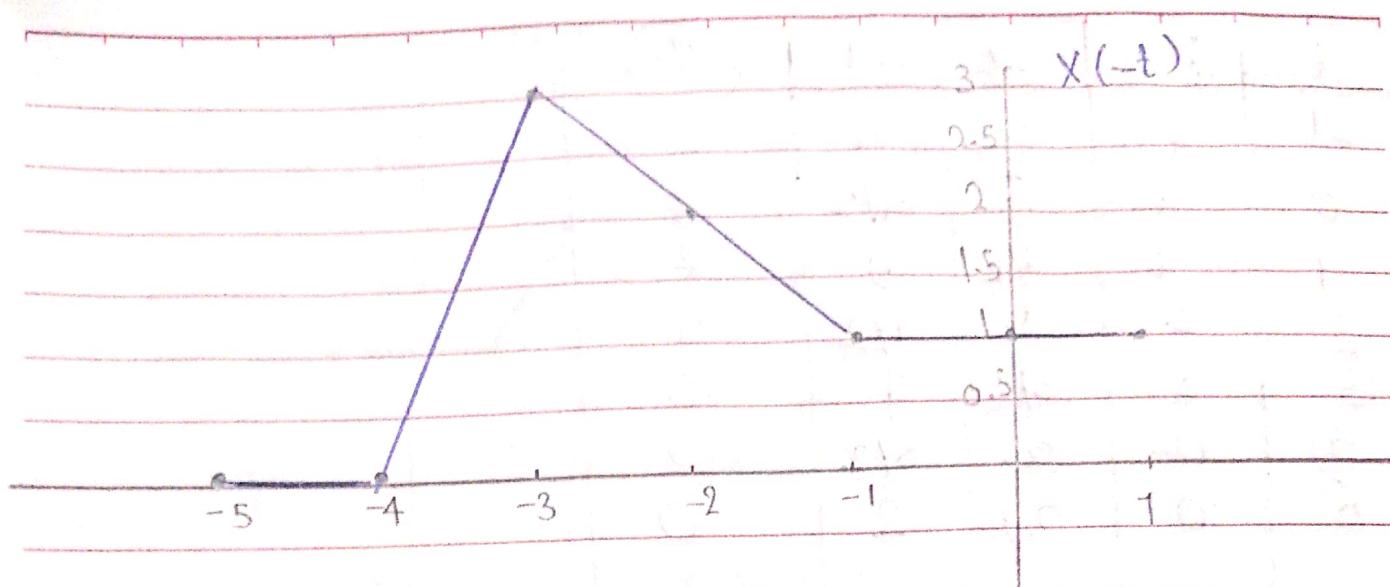
DATE: _____

<u>t</u>	<u>$X(t)$</u>	<u>$-t$</u>	<u>$2-t$</u>	<u>$-2-t$</u>
-1	1	1	3	-1
0	1	0	2	-2
1	1	-1	1	-3
2	2	-2	0	-4
3	3	-3	-1	-5
4	0	-4	-2	-6
5	0	-5	-3	-7

DATE: 2

SUBJECT: _____

CLASS: _____



DATE: _____

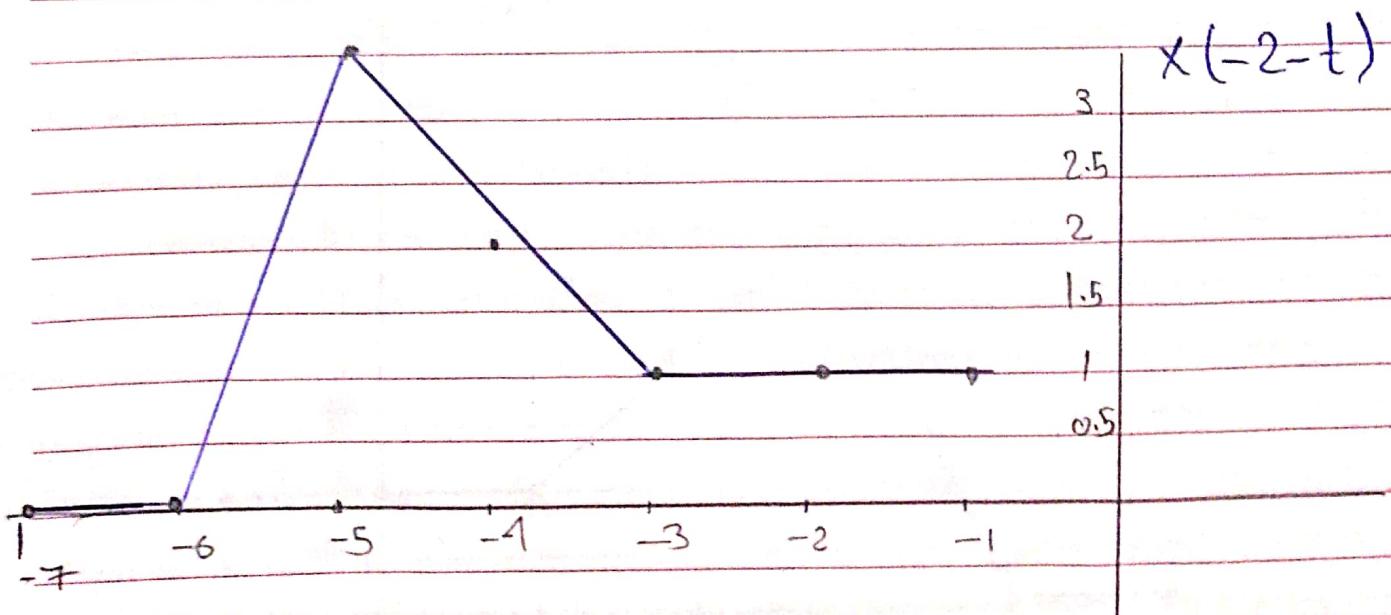
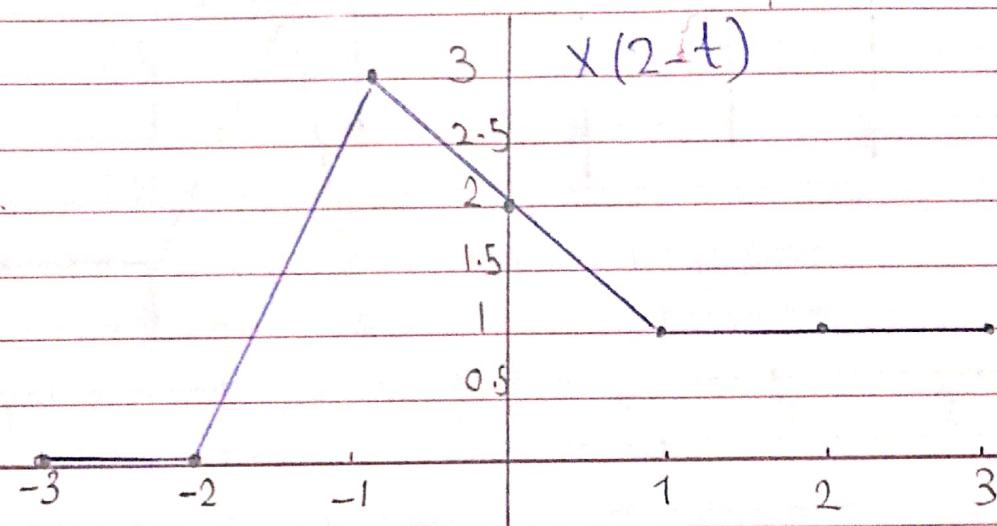
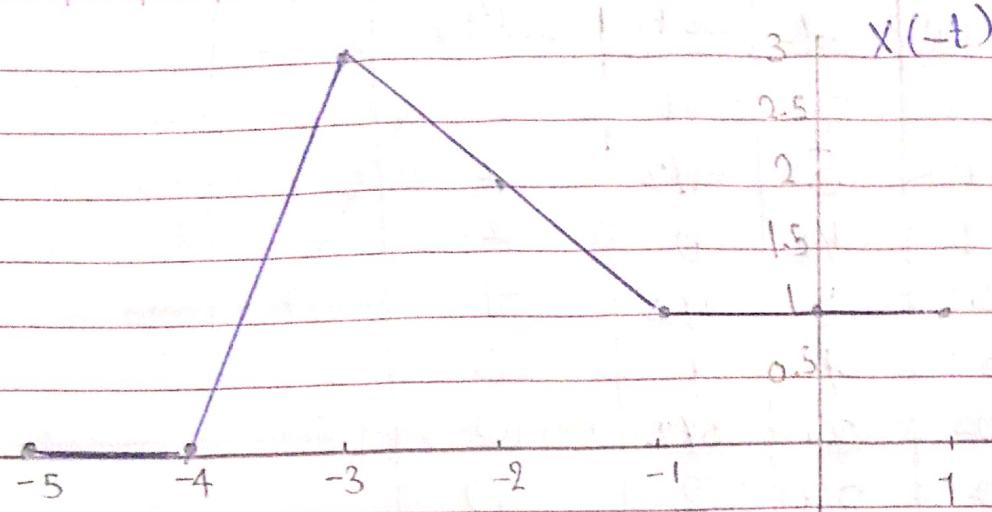
SUBJECT: _____

t	$x(t)$	$2t$	$2t+1$	$2x(t)$
-1	1	-1	-1	2
0	1	0	-1/2	2
1	1	1/2	0	2
2	2	1	1/2	4
3	3	3/2	1	6
4	0	2	3/2	10
5	0	5/2	2	0

DATE: 2

SUBJECT: _____

PAGE NO. _____



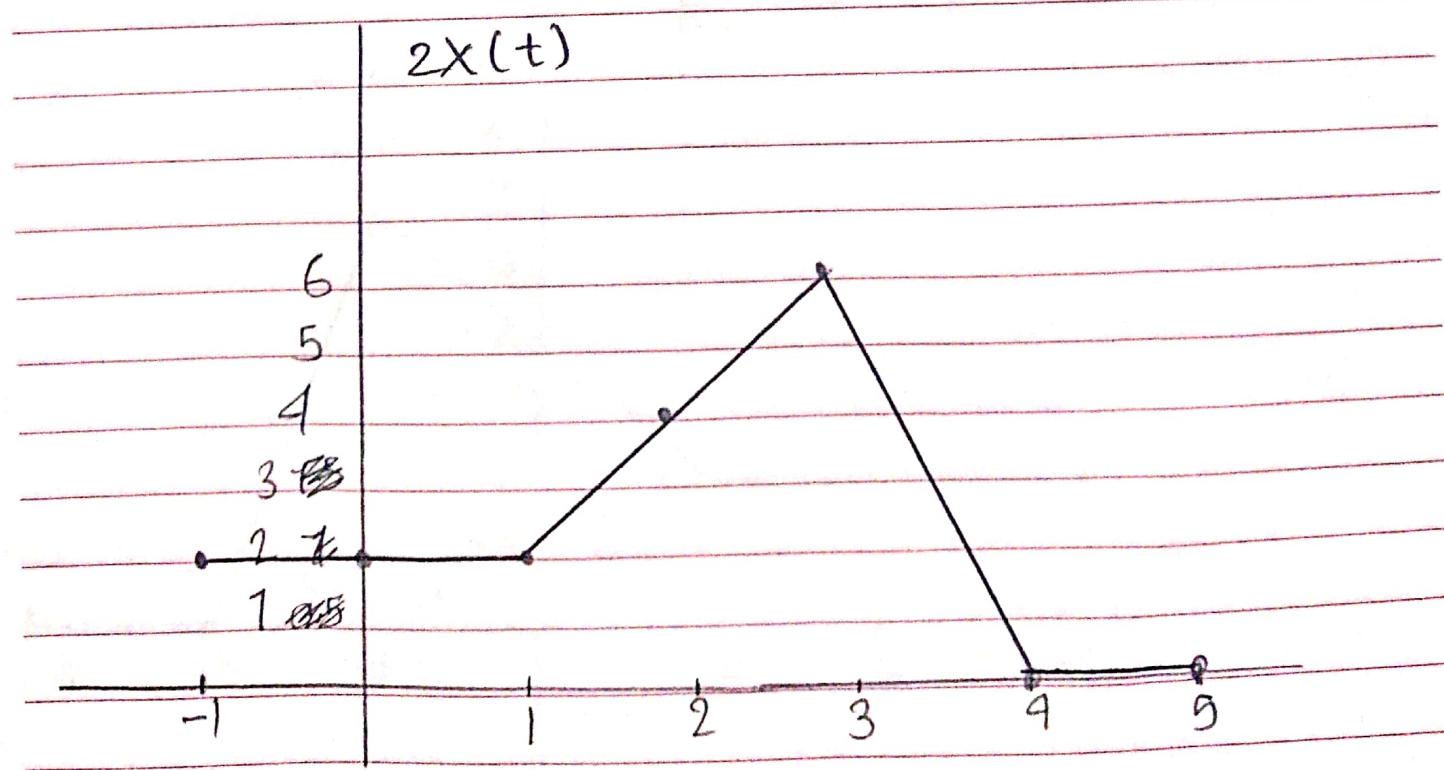
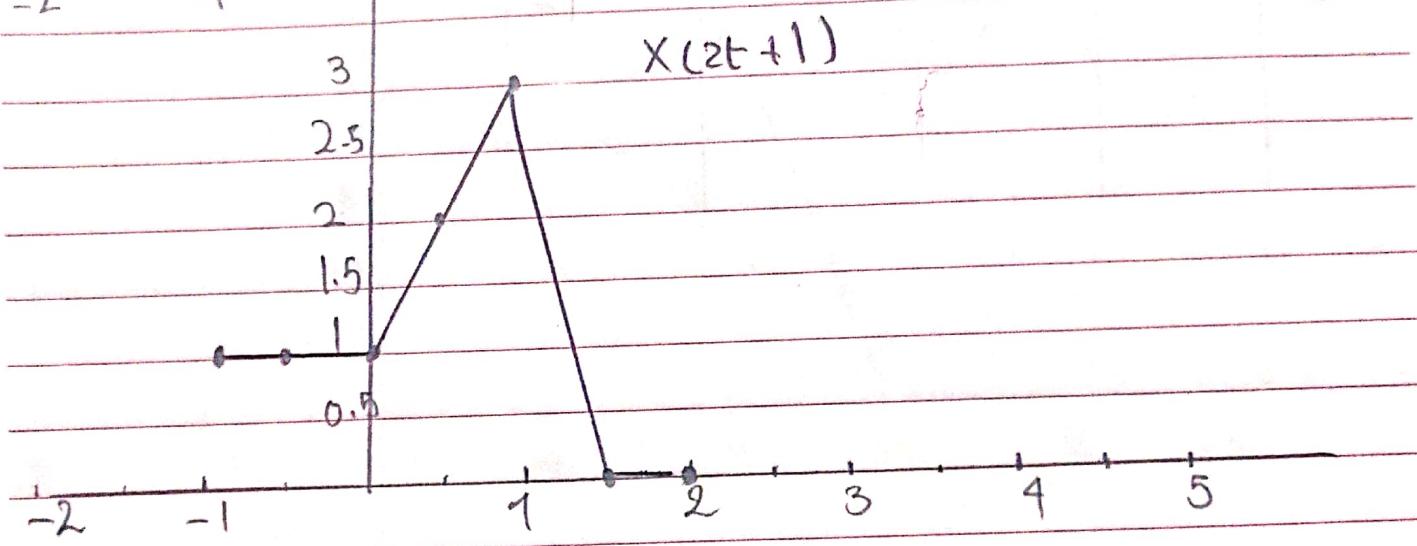
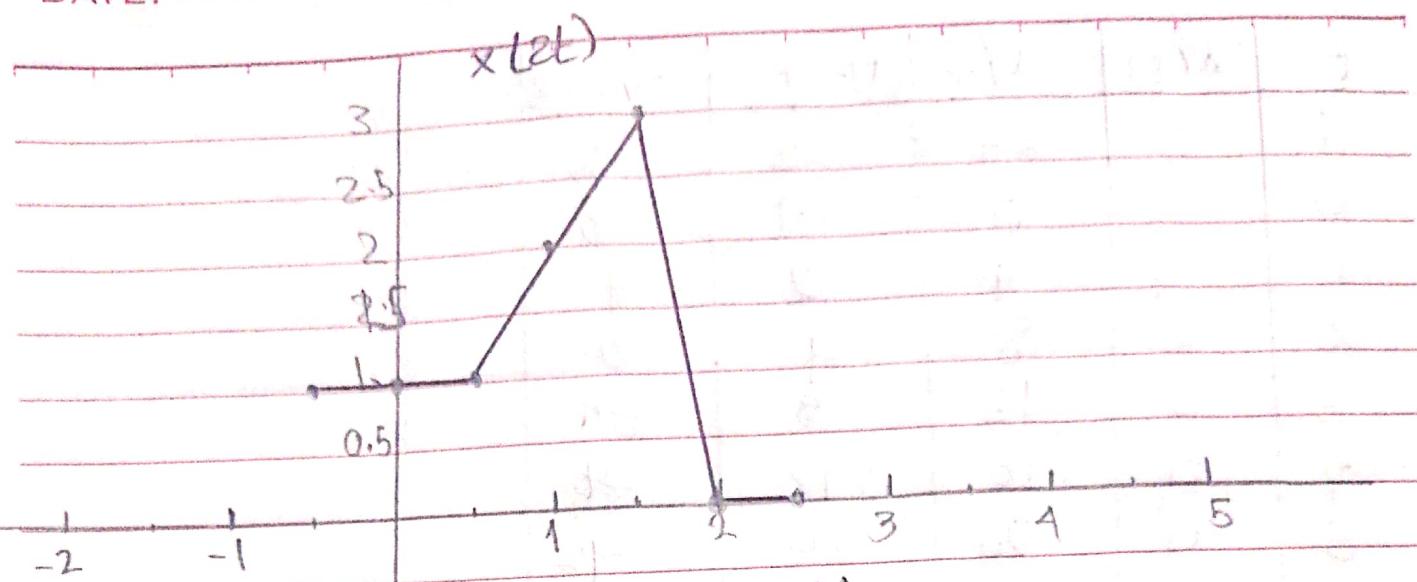
DATE: _____

SUBJECT: _____

t	$x(t)$	$2t$	$2t+1$	$2x(t)$
-1	1	-1	-1	2
0	1	0	-1/2	2
1	1	1/2	0	2
2	2	1	1/2	4
3	3	3/2	1	6
4	0	2	3/2	0
5	0	5/2	2	0

DATE: _____

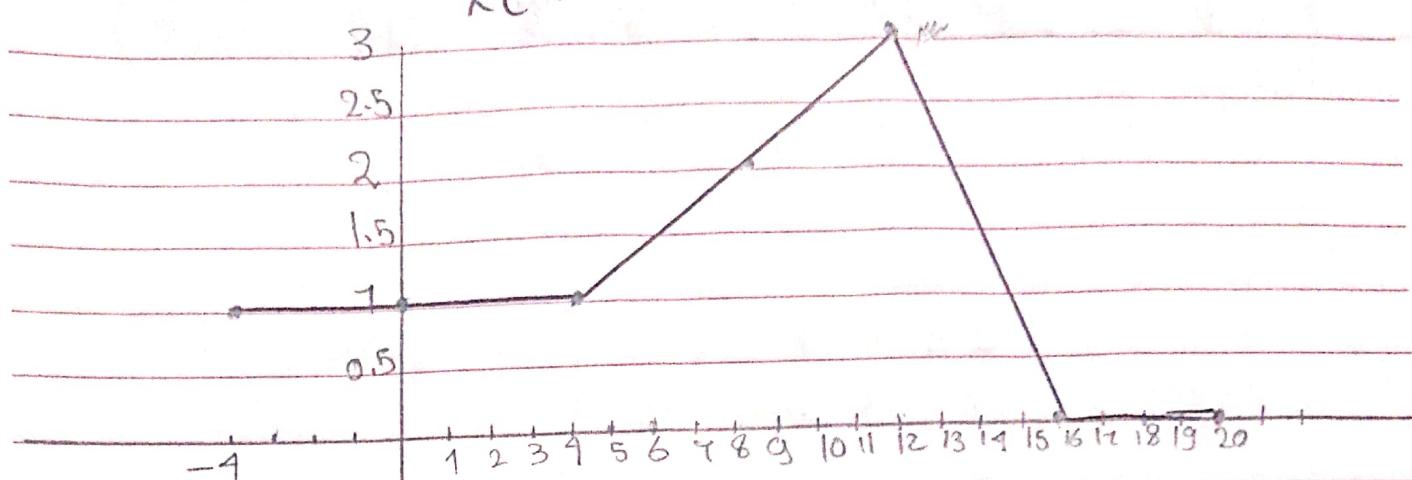
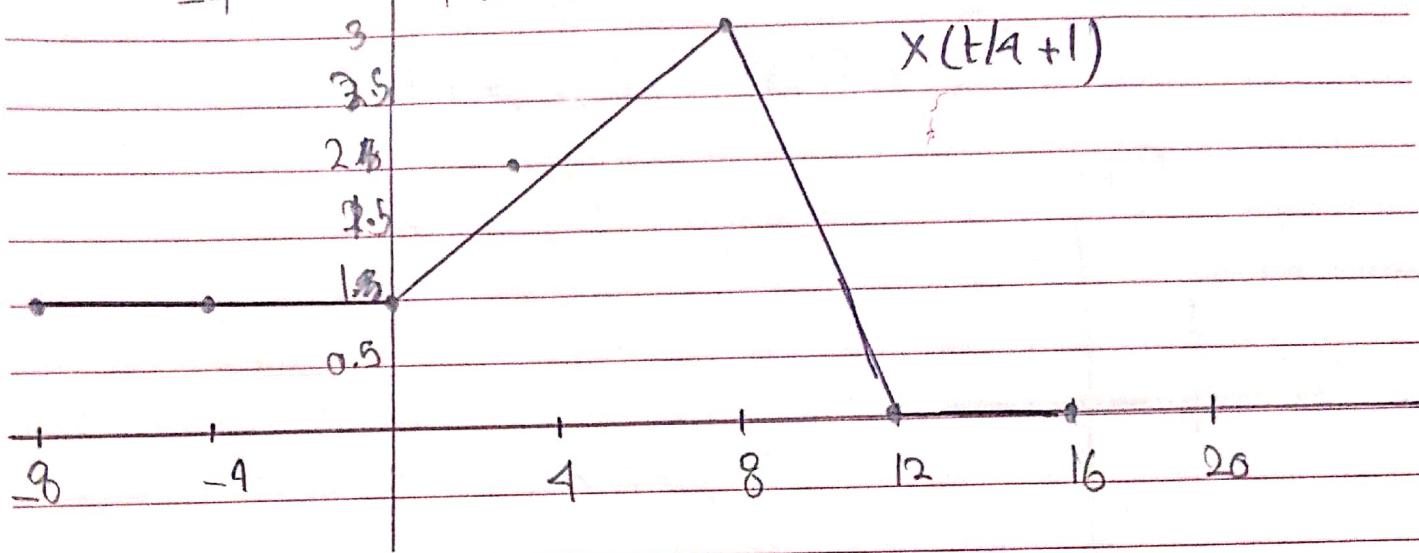
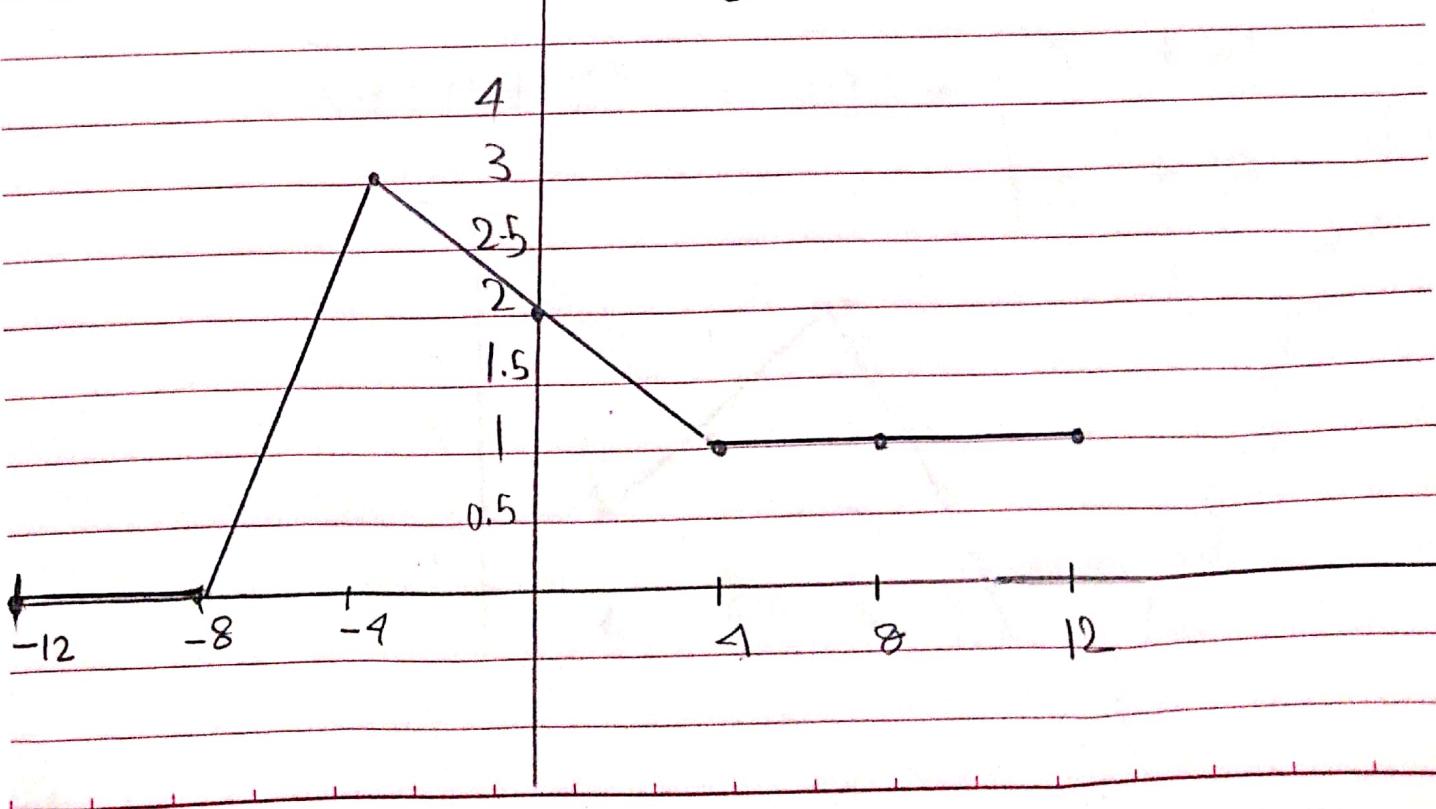
SUBJECT: _____



DATE: _____

SUBJECT: _____

CLASS: _____

 $x(t/4)$  $x(t/4 + 1)$  $x(-t/4 + 2)$ 

DATE: _____

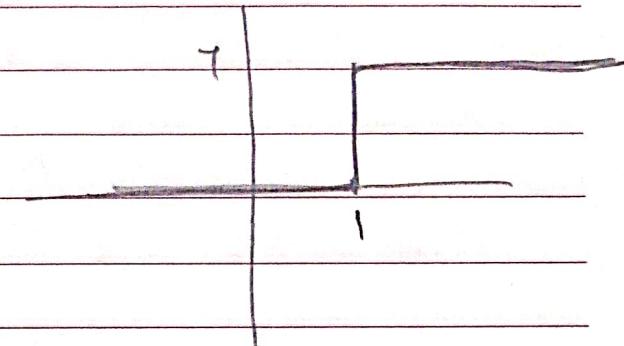
SUBJECT: _____

$$(x(t) + x(-t)) u(t-1) = \begin{cases} [x(t) + x(-t)] & t \geq 1 \\ 0 & t < 1 \end{cases}$$

$$x(-t) = \begin{cases} 1 & 0 \leq t \leq 1 \\ 0 & t > 1 \end{cases}$$

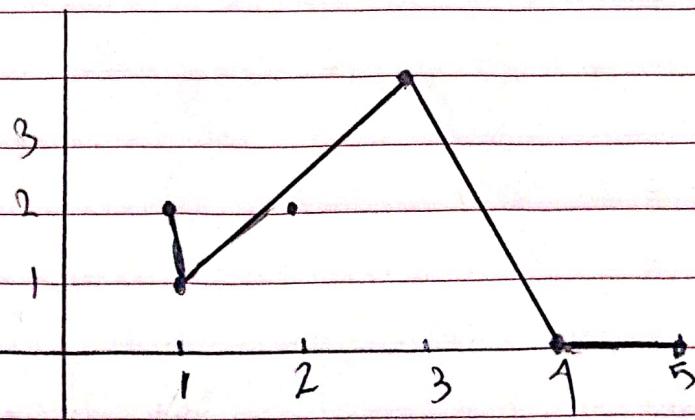
$$x(t) = \begin{cases} 1 & 0 \leq t \leq 1 \\ 0 & t > 1 \end{cases}$$

$u(t-1)$



So the Problem became

$$x(t) u(t-1) = x(t) + \begin{cases} 1 & t \geq 1 \\ 0 & t < 1 \end{cases}$$



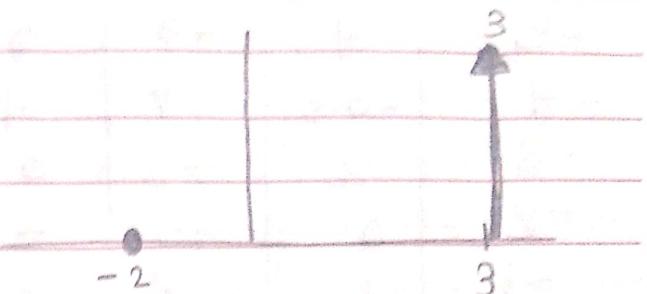
DATE: _____ SUBJECT: _____

t	$x(t)$	$t/4$	$t/4 + 1$	$-t/4 + 2$
-1	7	-4	-8	12
0	7	0	-4	8
1	7	4	0	4
2	2	8	4	0
3	3	12	8	-4
4	0	16	12	-8
5	6	20	16	-12

$$(1+35)x$$

DATE: _____ SUBJECT: _____ GRADE: _____

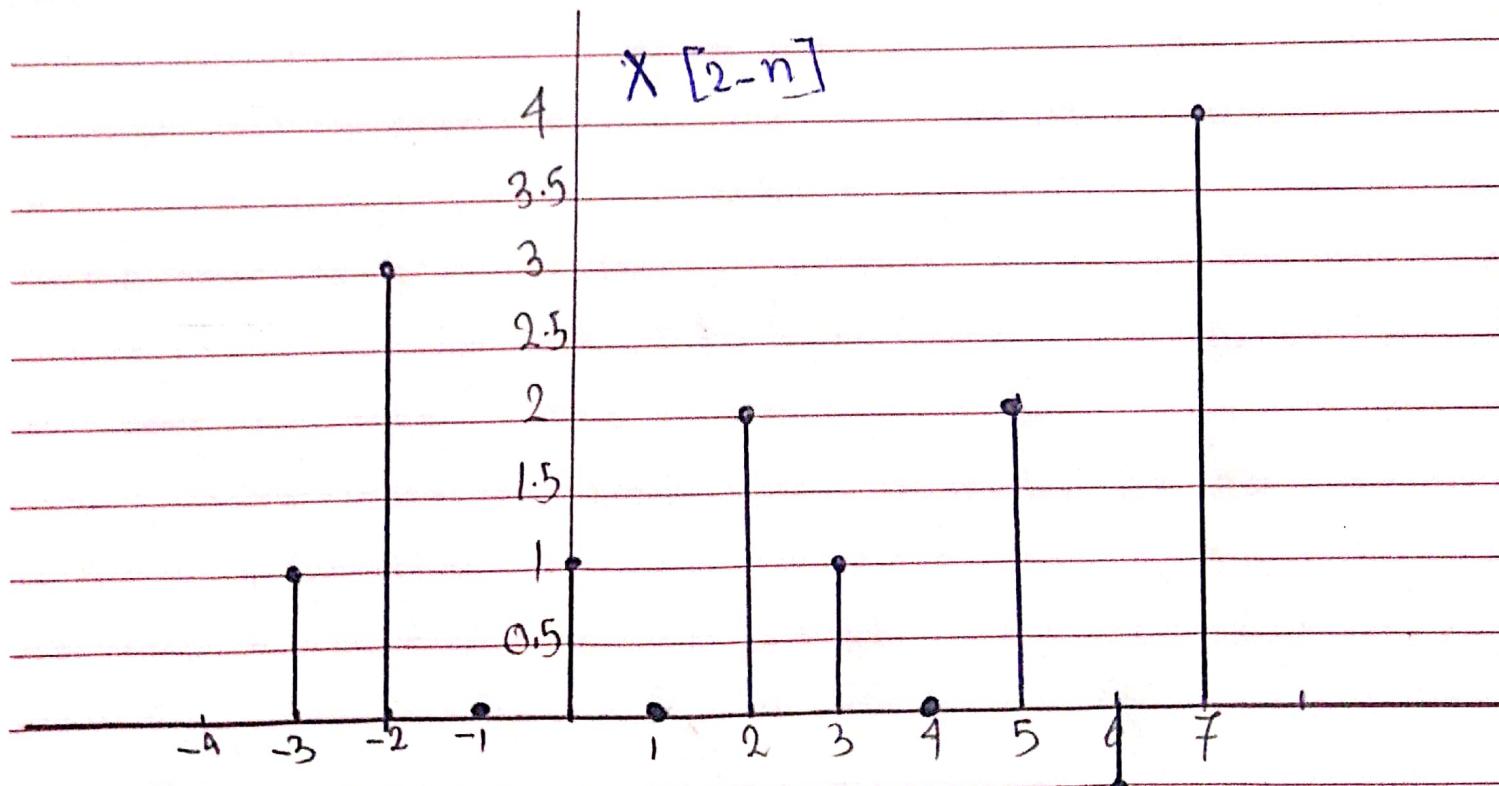
$$X(t) * [S(t-3) + \delta(t+2)] = X(t)\delta(t-3) + X(t)\delta(t+2)$$



DATE: _____

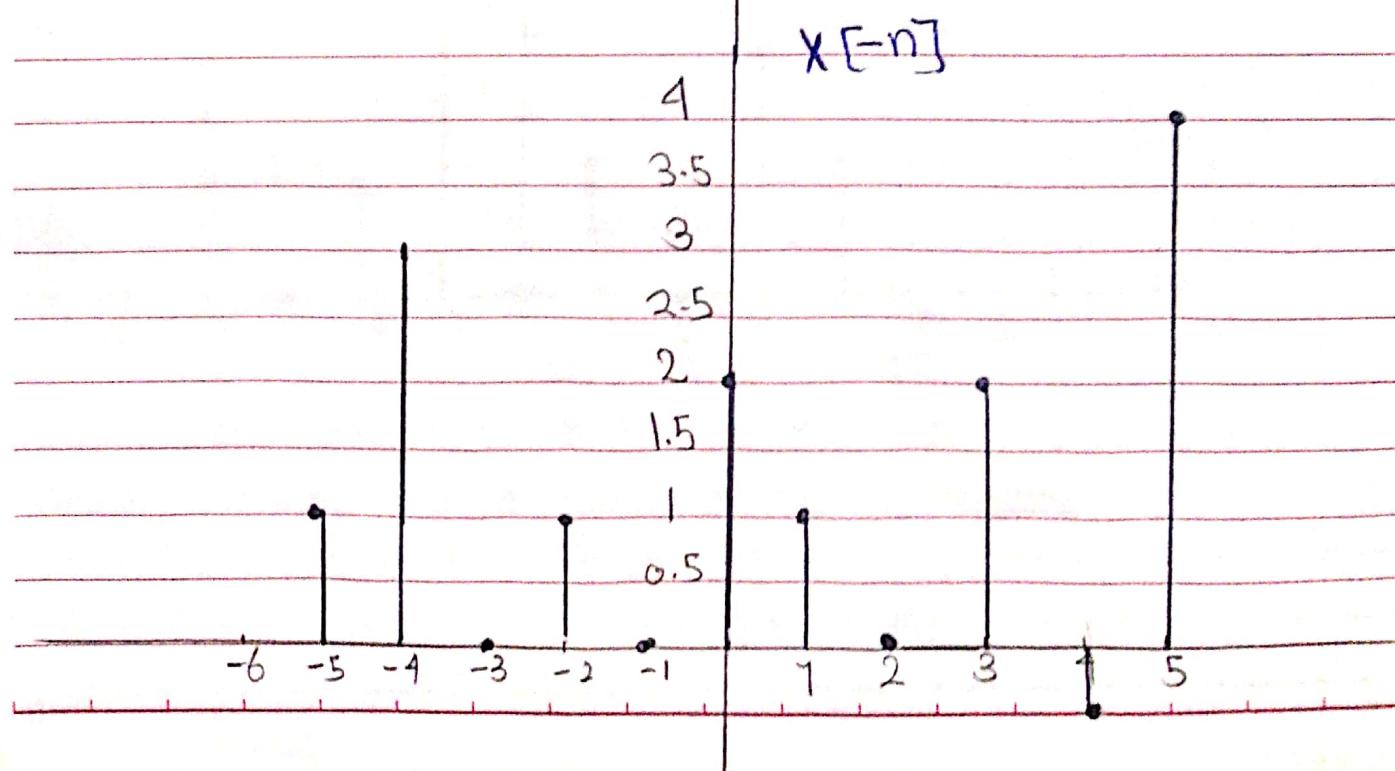
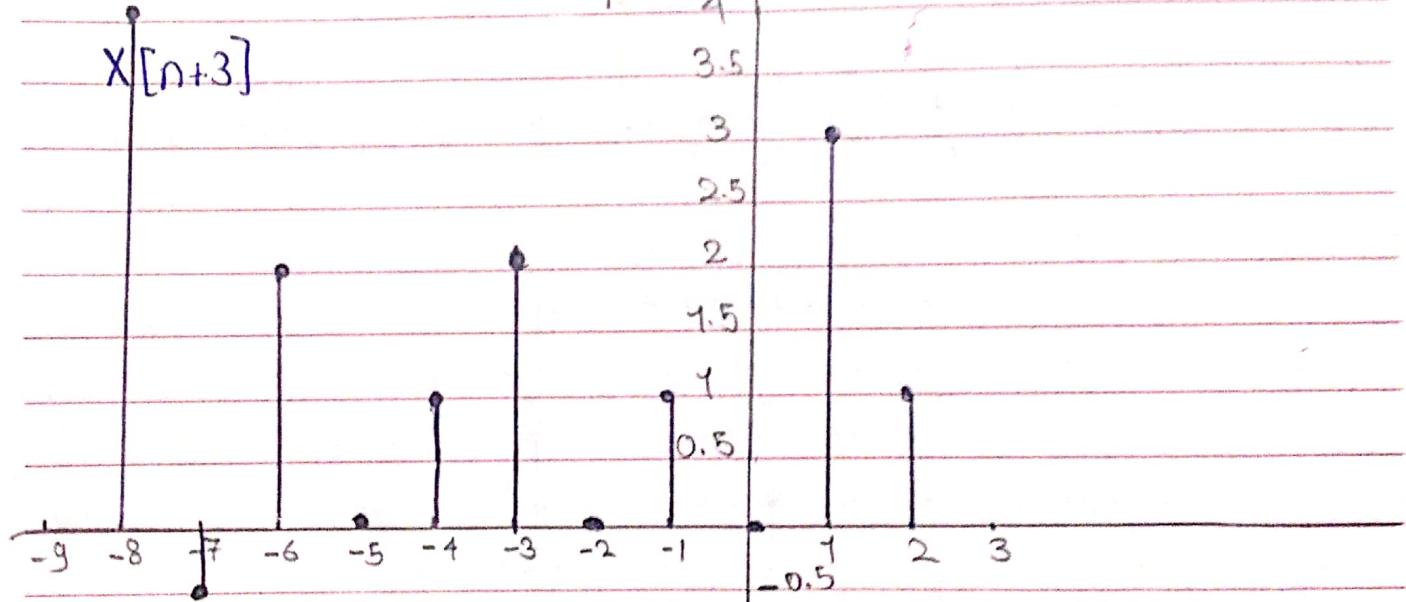
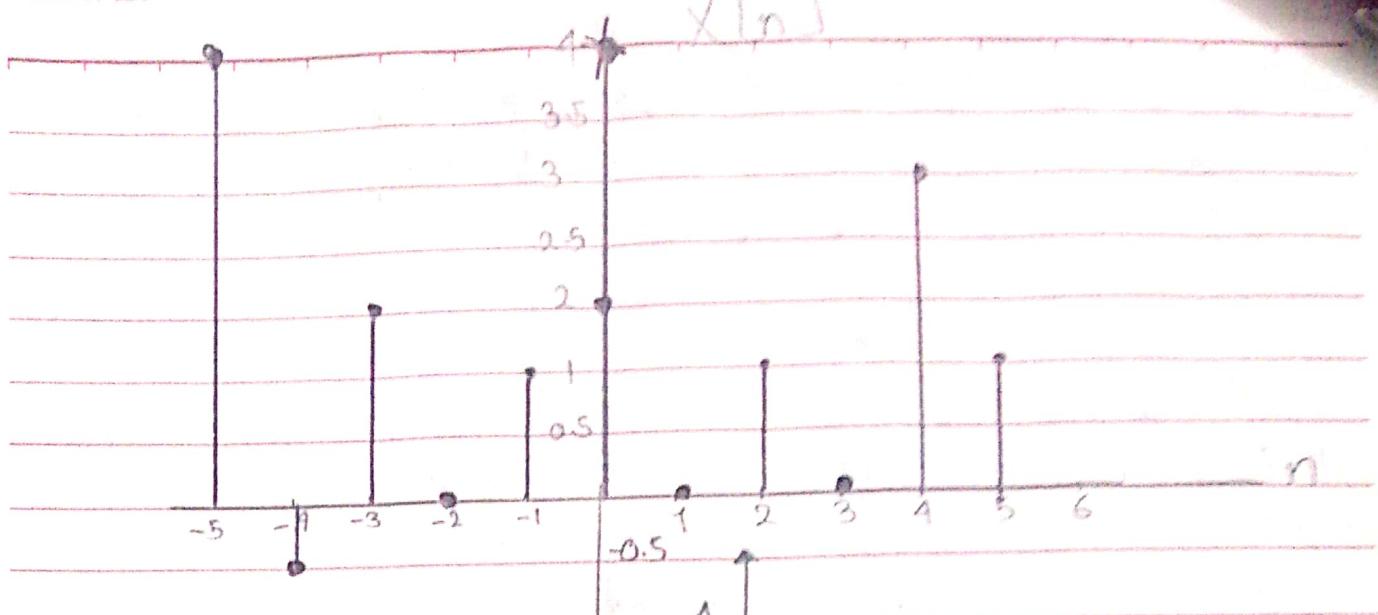
SUBJECT: _____

n	$x(n)$	$x(n+3)$	$x(n)$	$x(2-n)$	$x(n-4)$	$x(n+1)$	$x(n)$
-5	4	-8	5	7	-1	-6	
-4	-0.5	-7	4	6	0	-5	
-3	2	-6	3	5	1	-4	
-2	0	-5	2	4	2	-3	
-1	1	-4	1	3	3	-2	
0	2	-3	0	2	4	-1	
1	0	-2	-1	+1	5	0	
2	1	-1	-2	0	6	1	
3	0	0	-3	-1	7	2	
4	3	1	-4	-2	8	3	
5	4	2	-5	-3	9	4	



DATE: _____

SUBJECT: _____

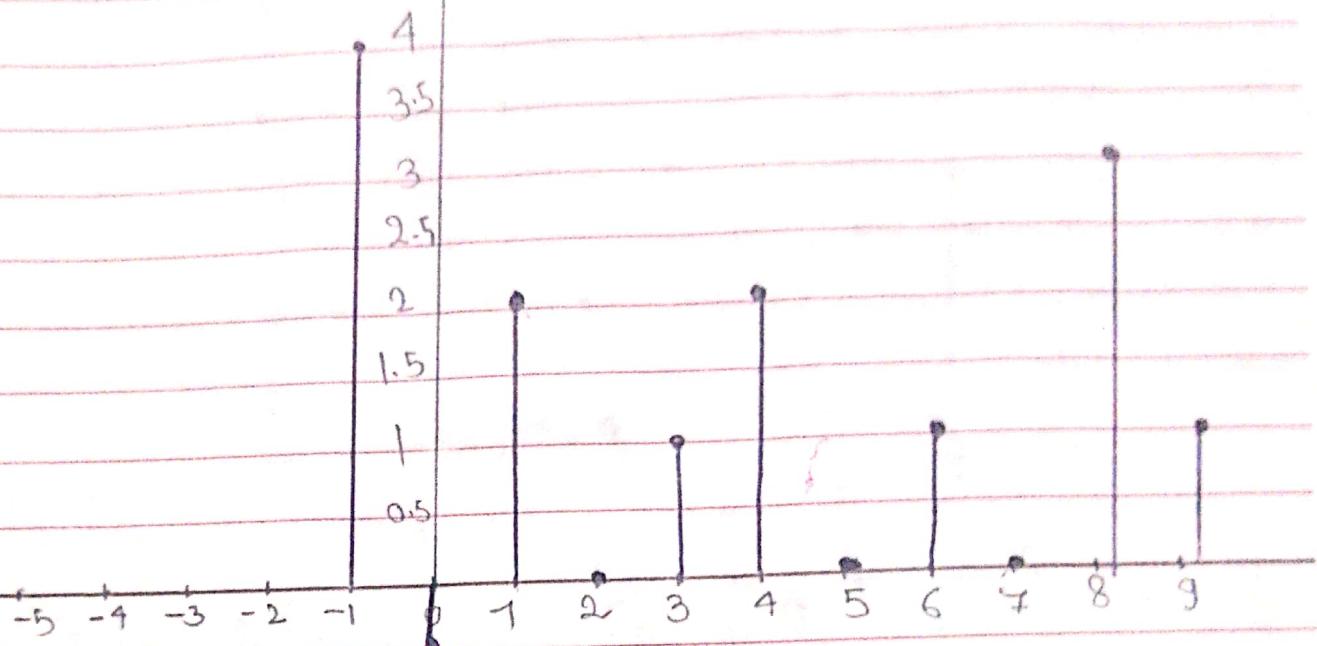


DATE: _____

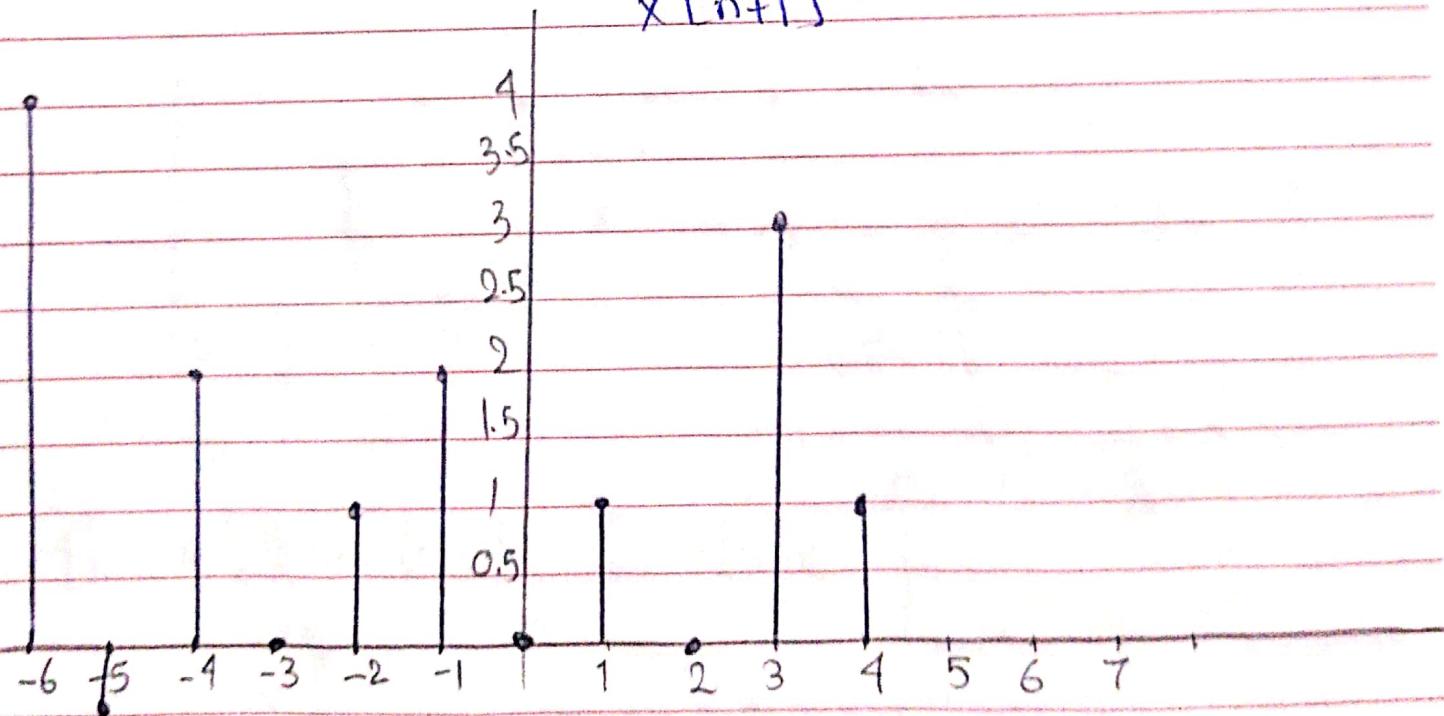
SUBJECT: _____

CLASS: _____

$$x[n-9]$$



$$x[n+1]$$

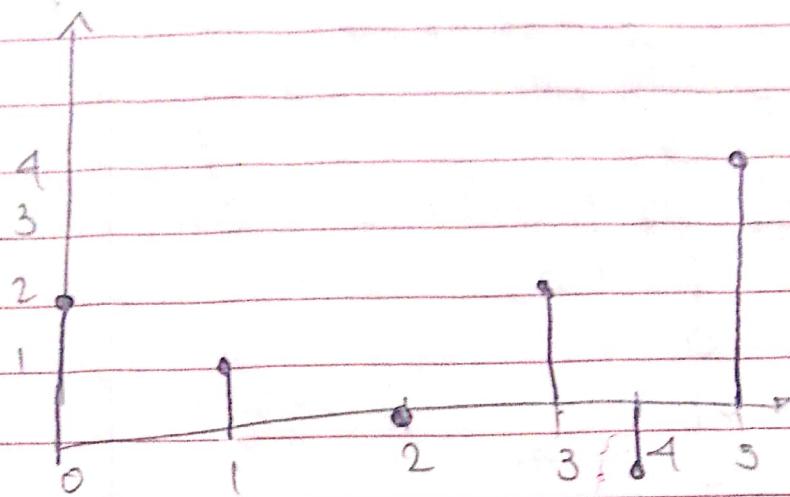


DATE: _____

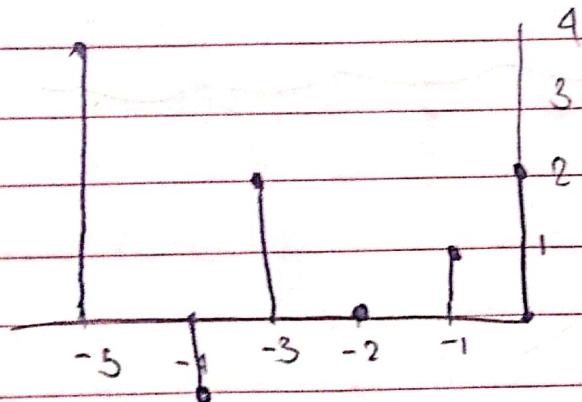
SUBJECT: _____

PAGE NO. _____

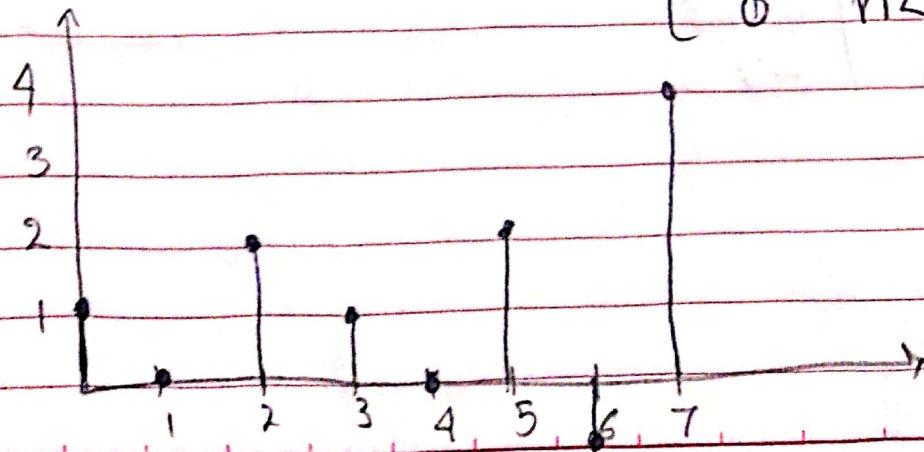
$$\boxed{2} \quad x[-n]u[n] = x[-n] \begin{cases} 1 & n \geq 0 \\ 0 & n < 0 \end{cases}$$



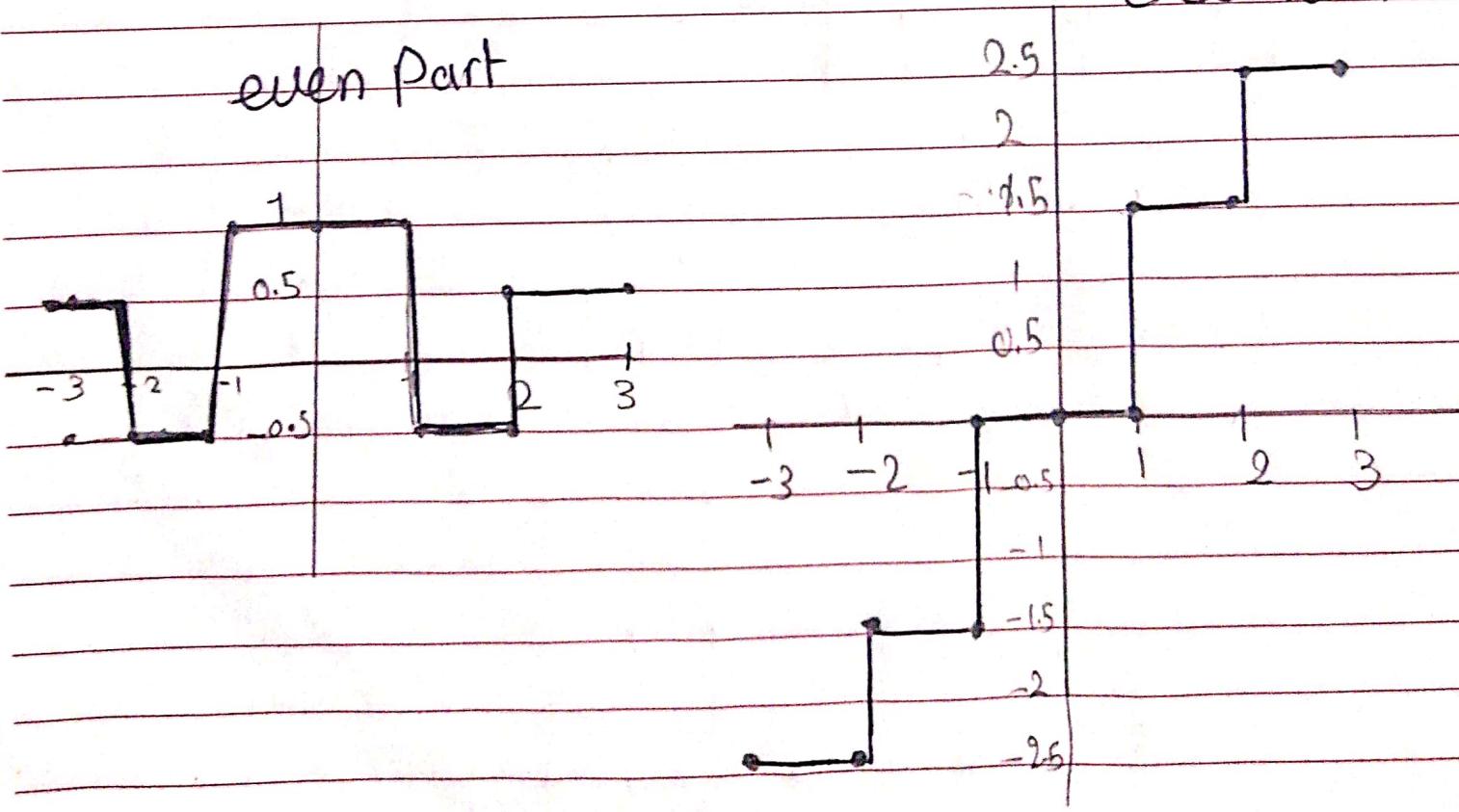
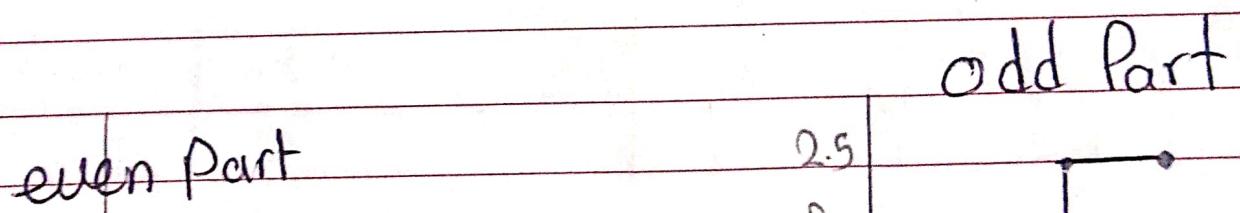
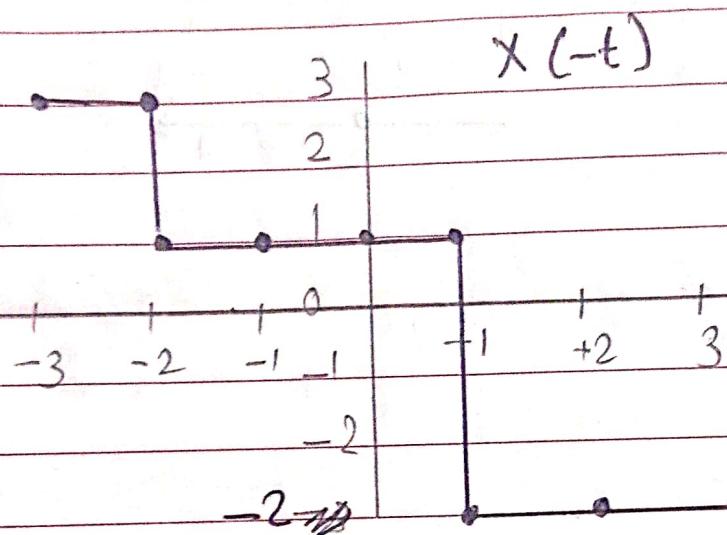
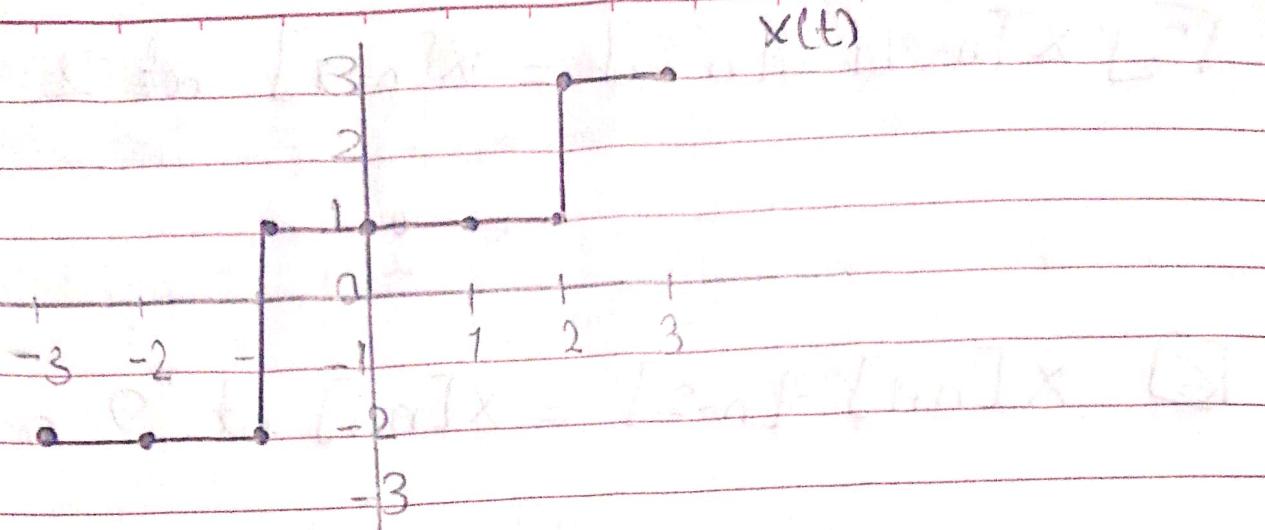
$$\boxed{3} \quad x[n]u[-n] = x[n] \begin{cases} 0 & n > 0 \\ 1 & n \leq 0 \end{cases}$$



$$\boxed{4} \quad x[2-n]u[n] = x[2-n] \begin{cases} 1 & n \geq 0 \\ 0 & n < 0 \end{cases}$$



t	$x(t)$	$-t$
-3	-2	3
-2	-2	2
-1	-2	1
0	0	0
1	1	-1
2	3	-2
3	3	-3

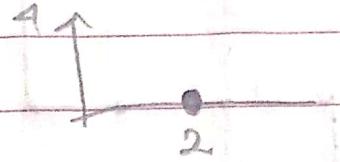


DATE: _____

SUBJECT: _____

JTAQ

$$\boxed{5} \times [n-1] 8[n-2] = x[n-1] \text{ at } 2 \text{ only}$$



$$\boxed{6} \times [n+1] 8[n-2] = x[n+1] \text{ at } 2 \text{ only}$$

