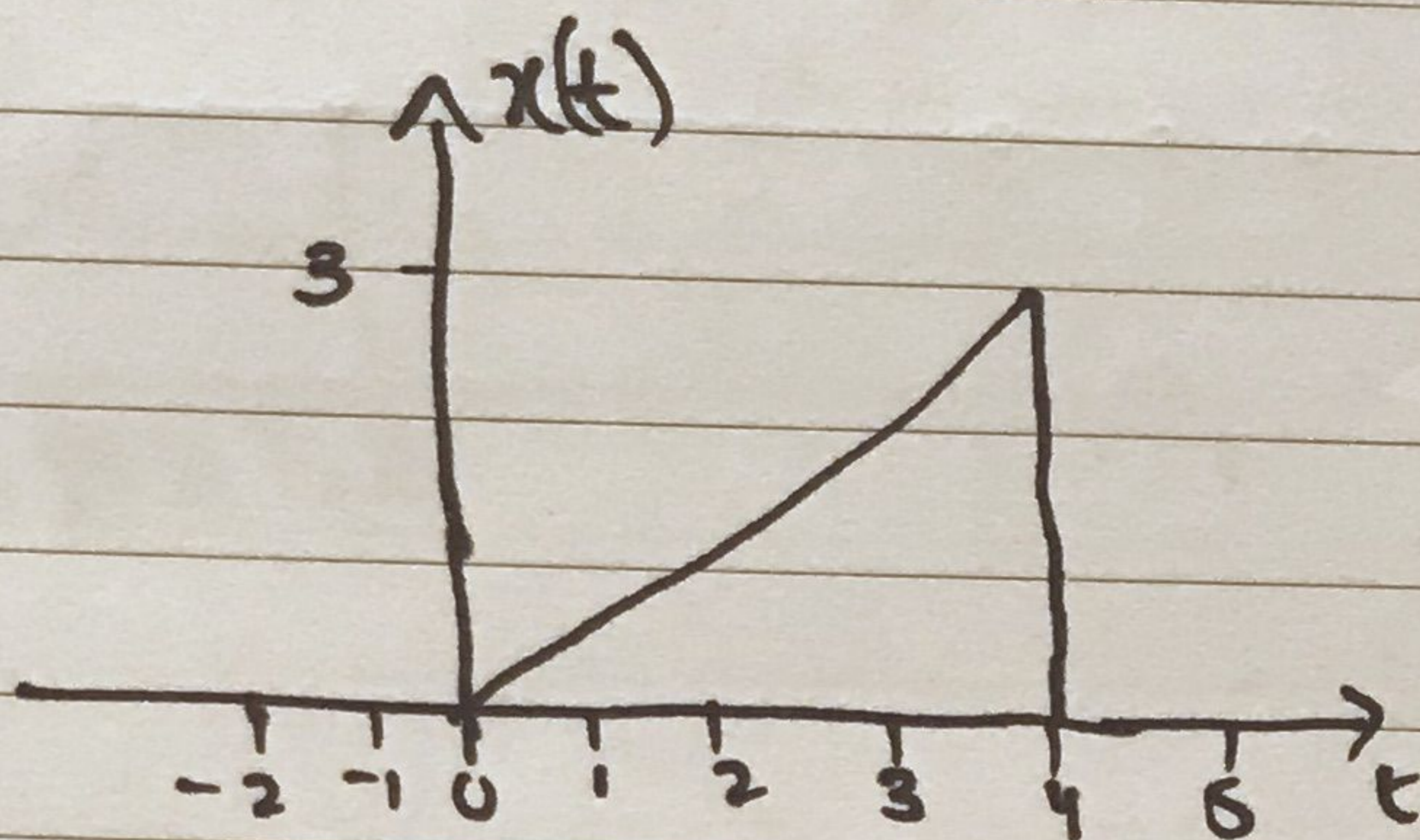


Assignment #1

∴ SOLUTION:-

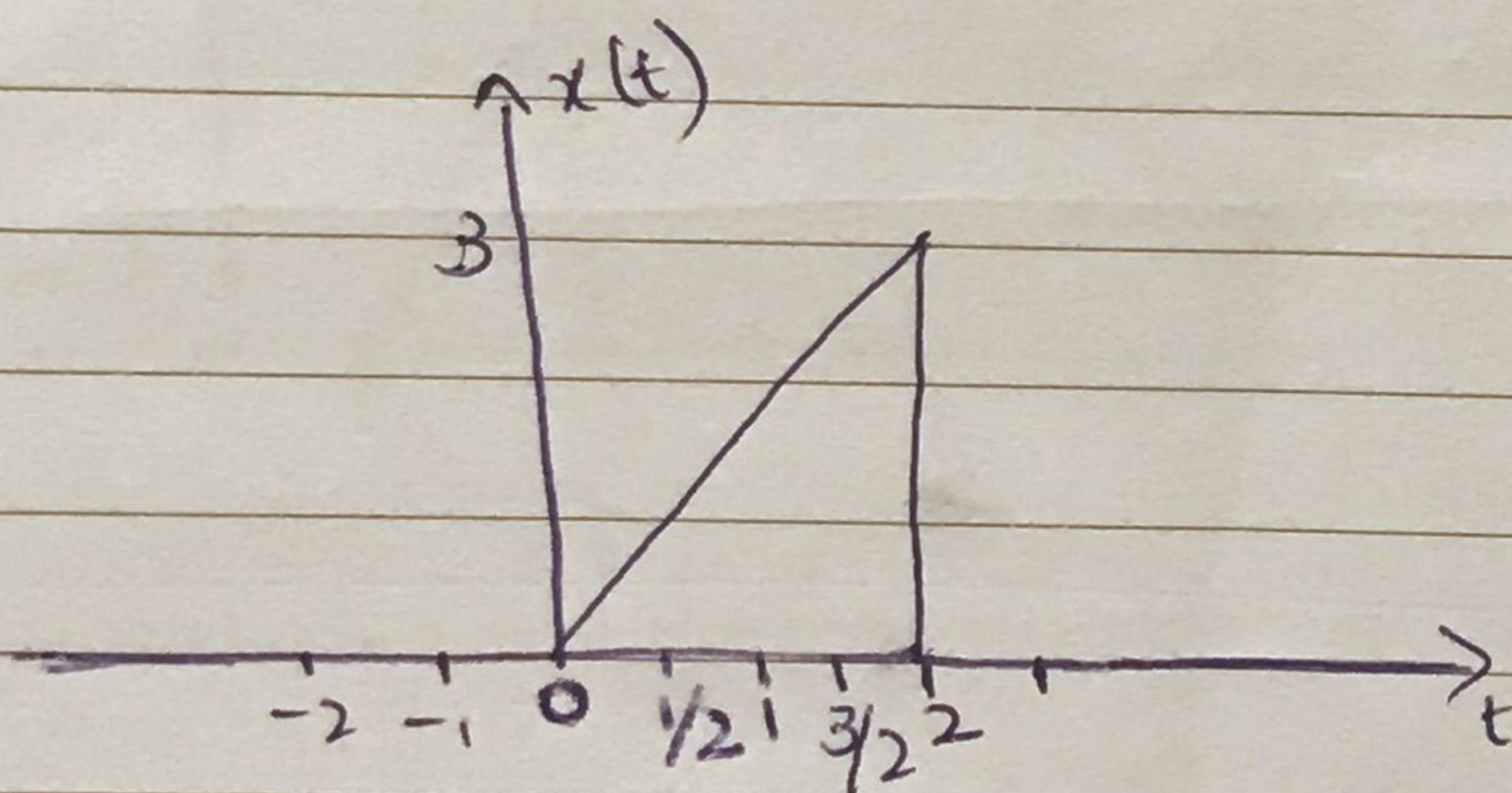
Q#1:-
i



1) $x(2t)$

Sol:-

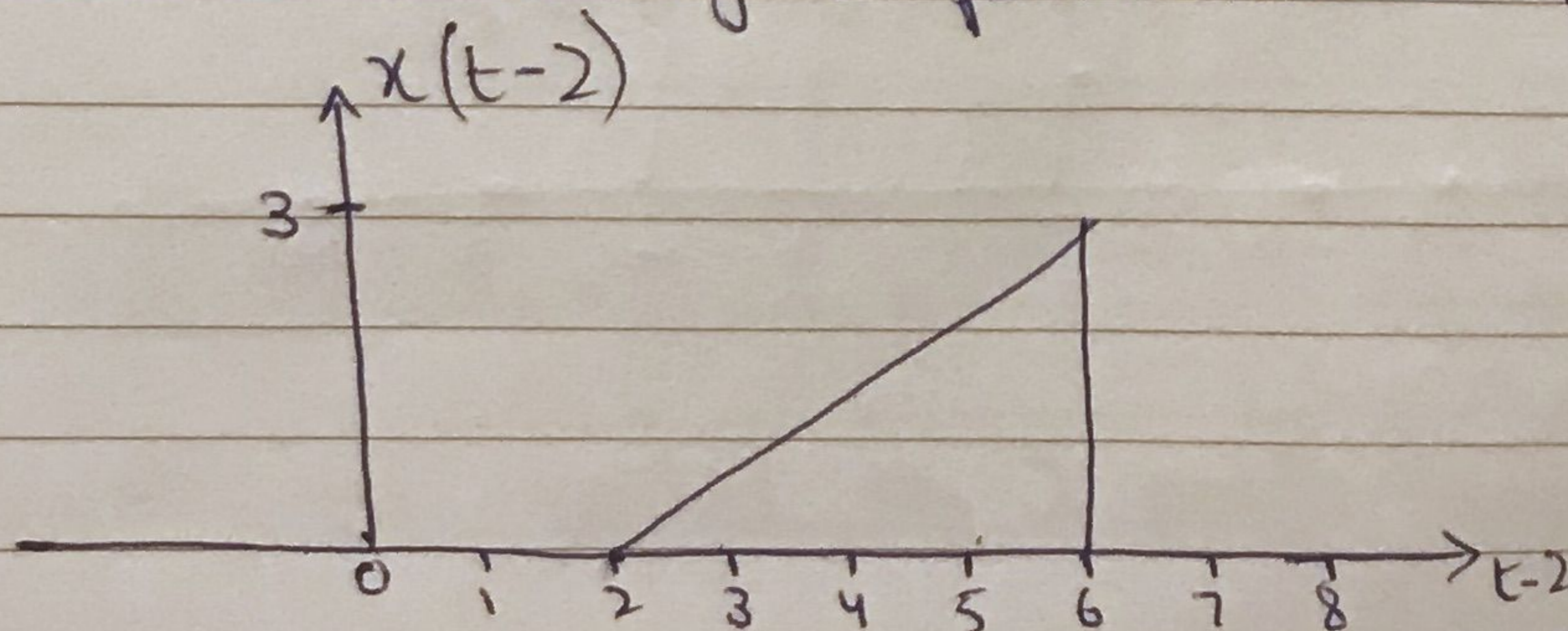
$$a=2$$



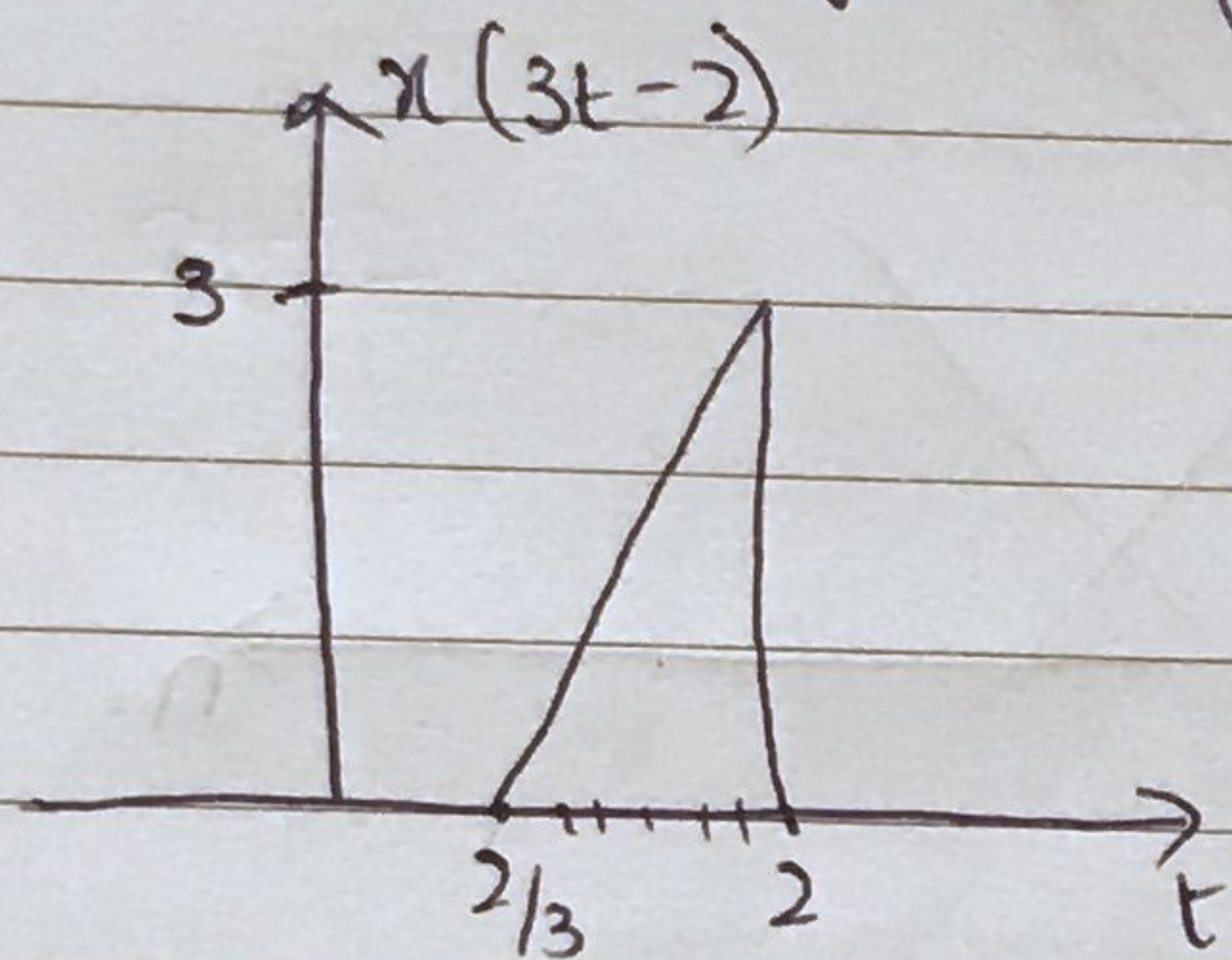
2) $x(3t-2)$

Sol:-

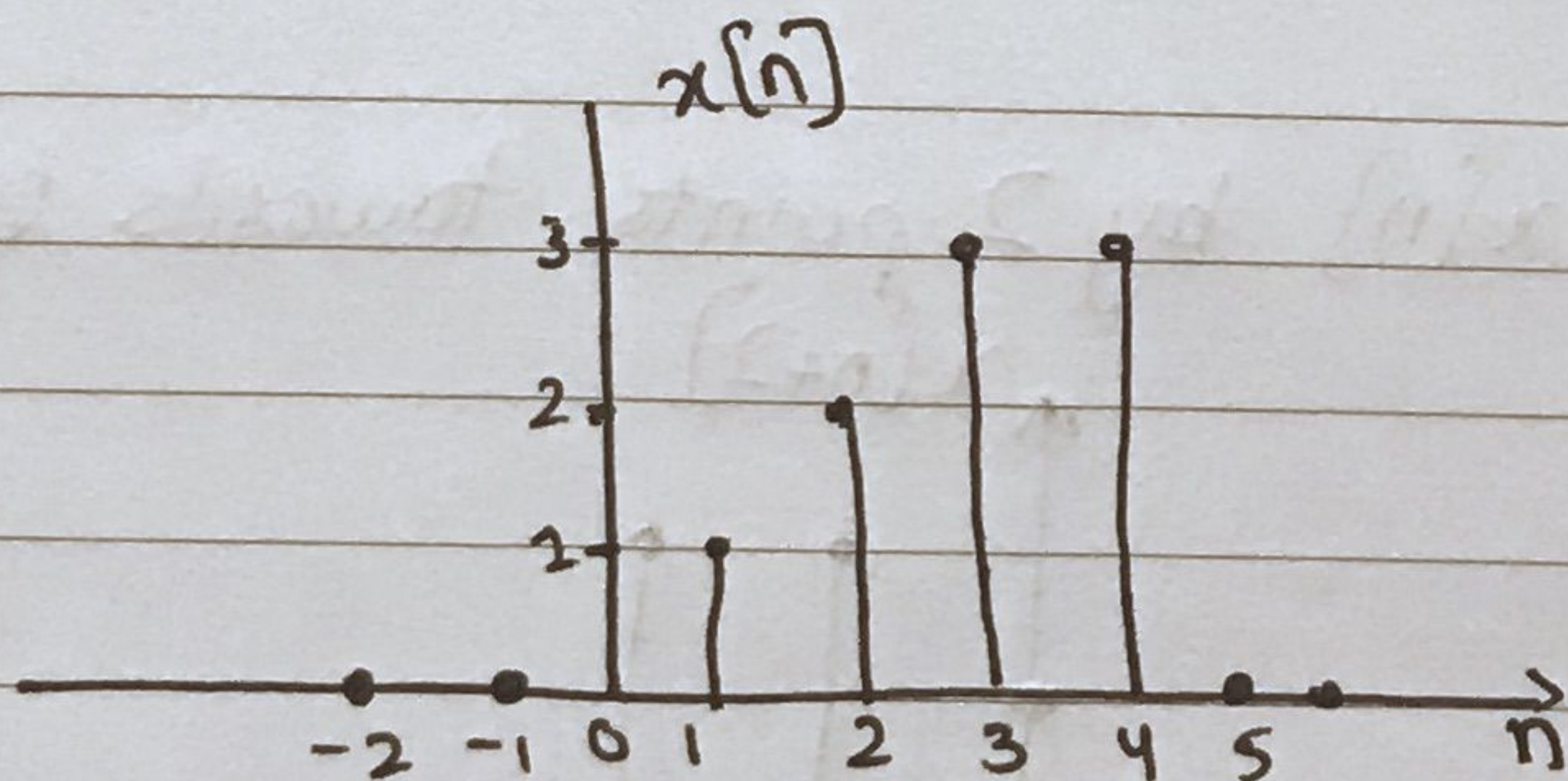
First shift $x(t)$ by 2 points towards right



Now scale the new signal by 3.



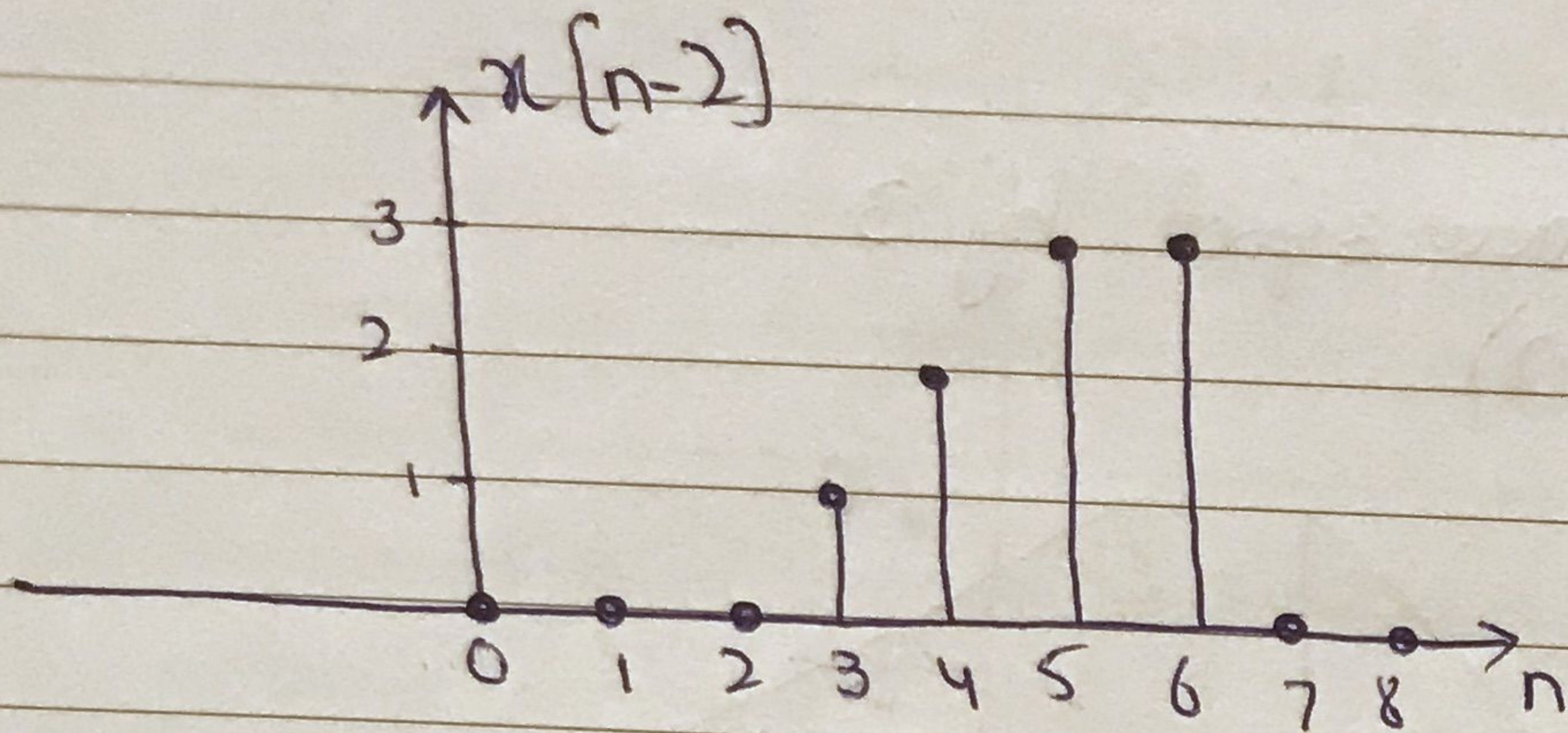
Q#2:-



1) $x[n-2]$

Sols-

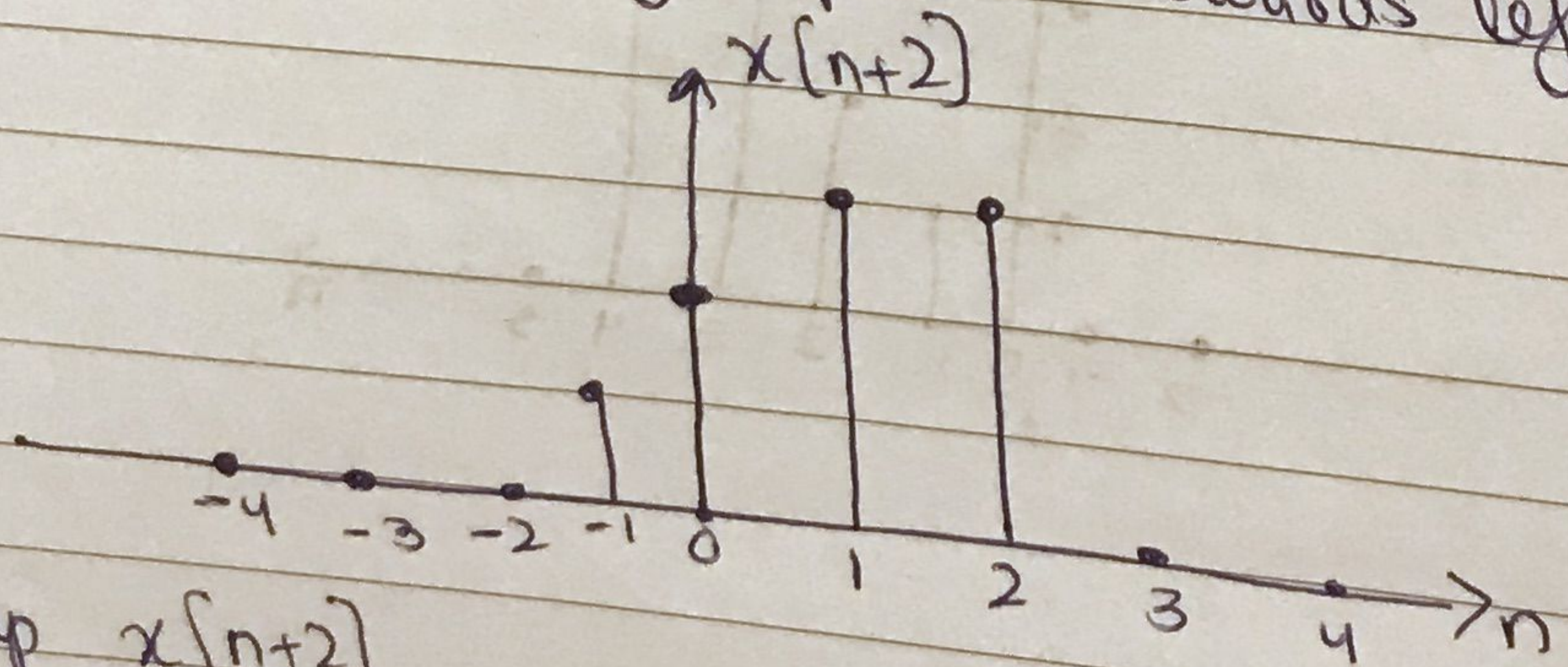
Shift the signal by 2 points towards right.



2) $x[-n+2]$

Sol

First shift $x[n]$ by 2 points towards left.



Now flip $x[n+2]$

