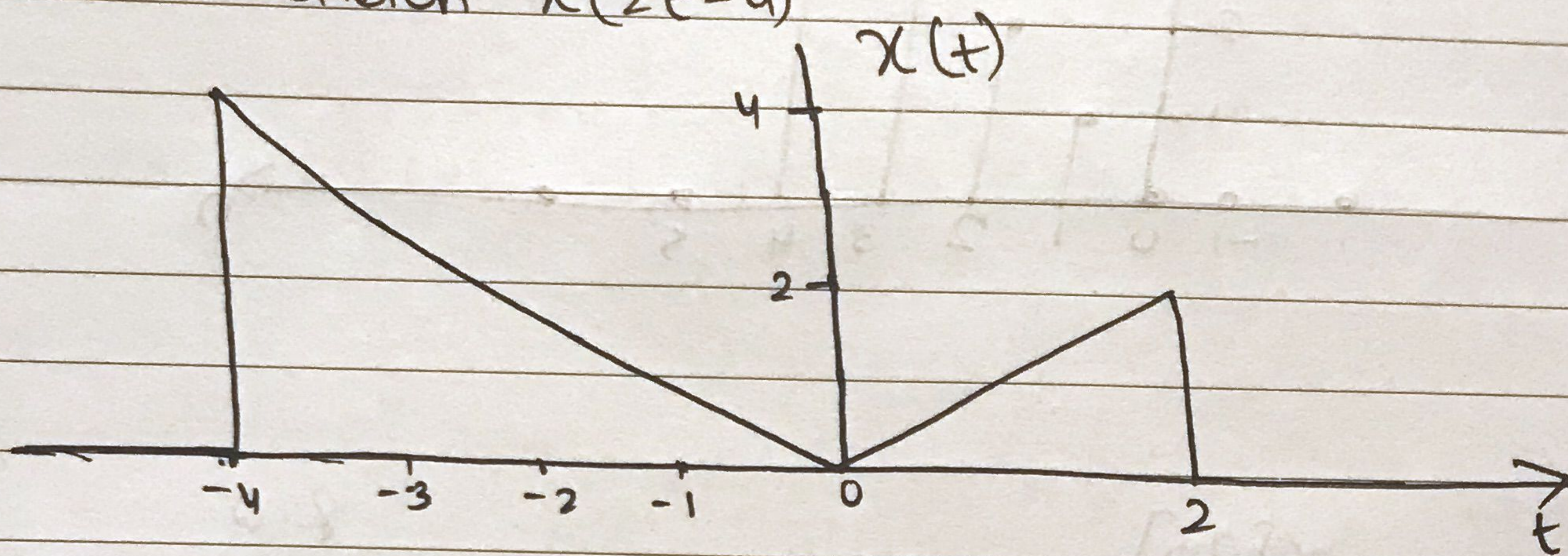


→ Quiz #1:-

→ SOLUTIONS

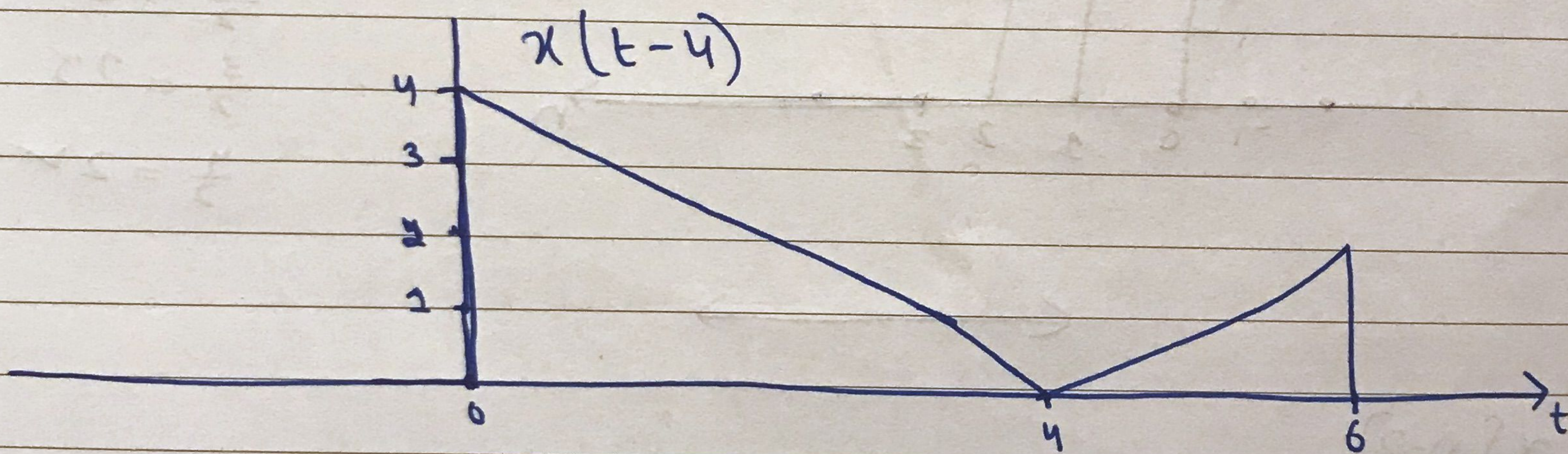
Q#1:-

Sketch $x(2t-4)$

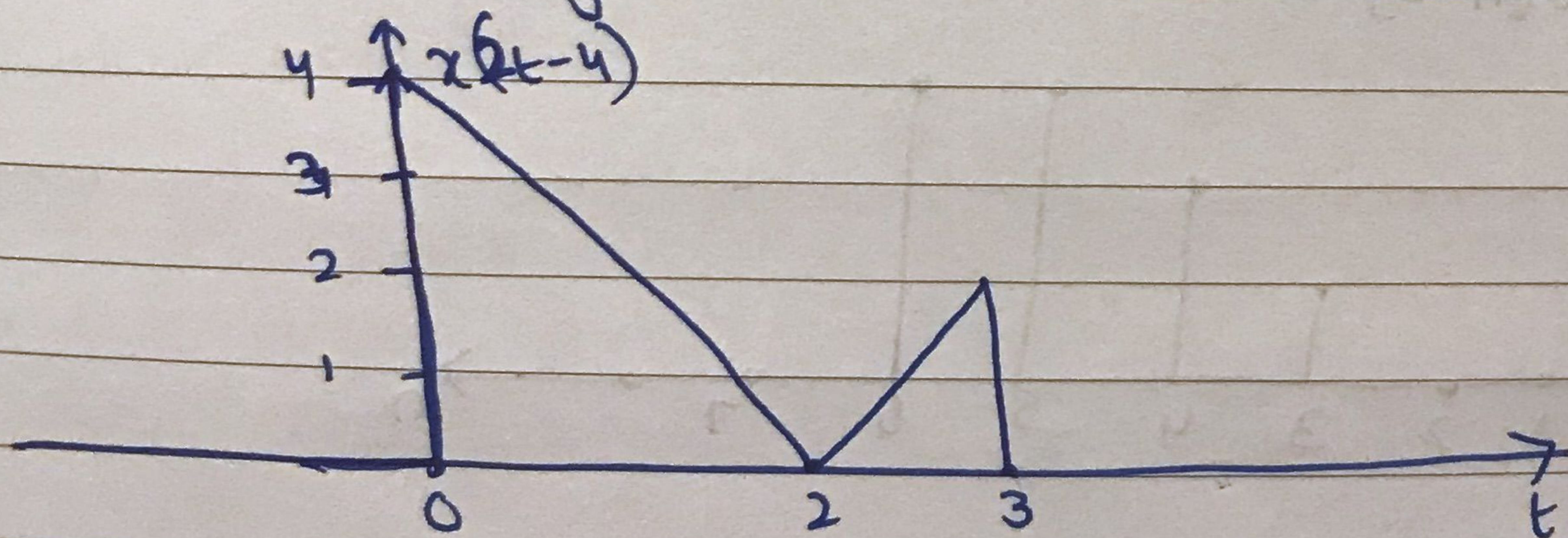


Sol:-

First shift $x(t)$ towards right (4 points to right)



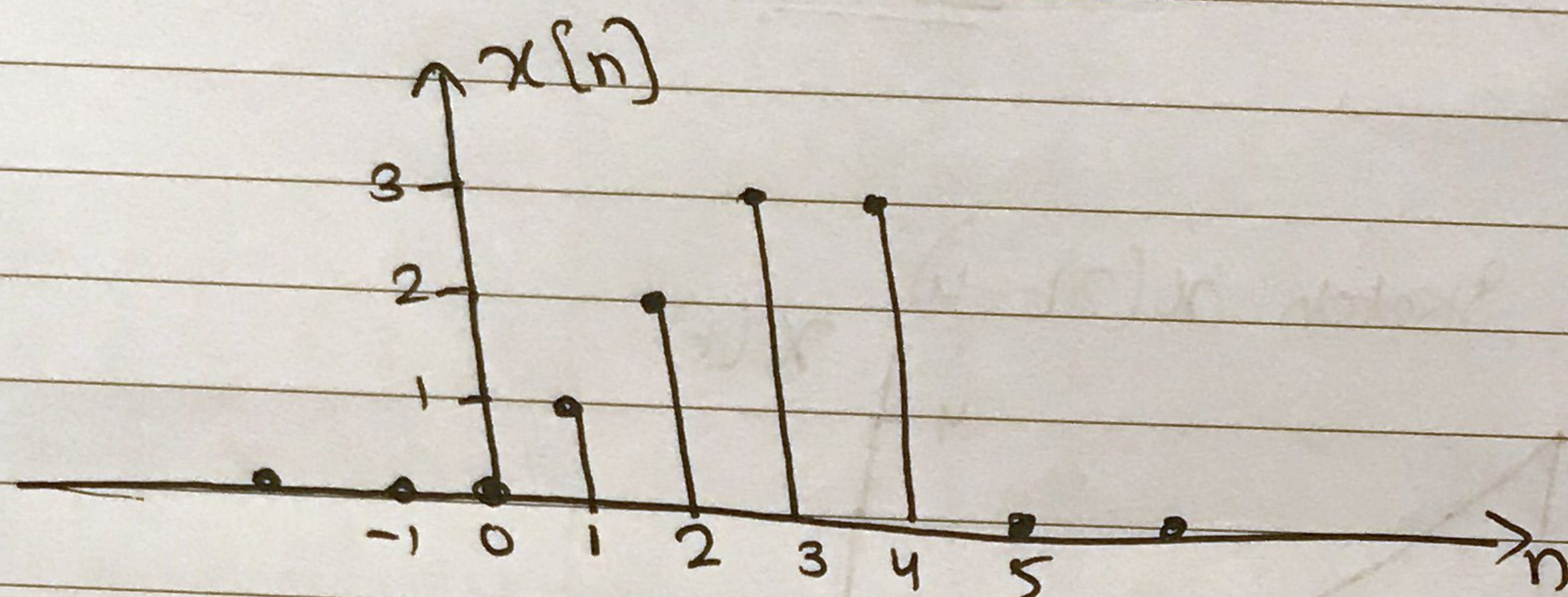
Now scale by 2



R.W

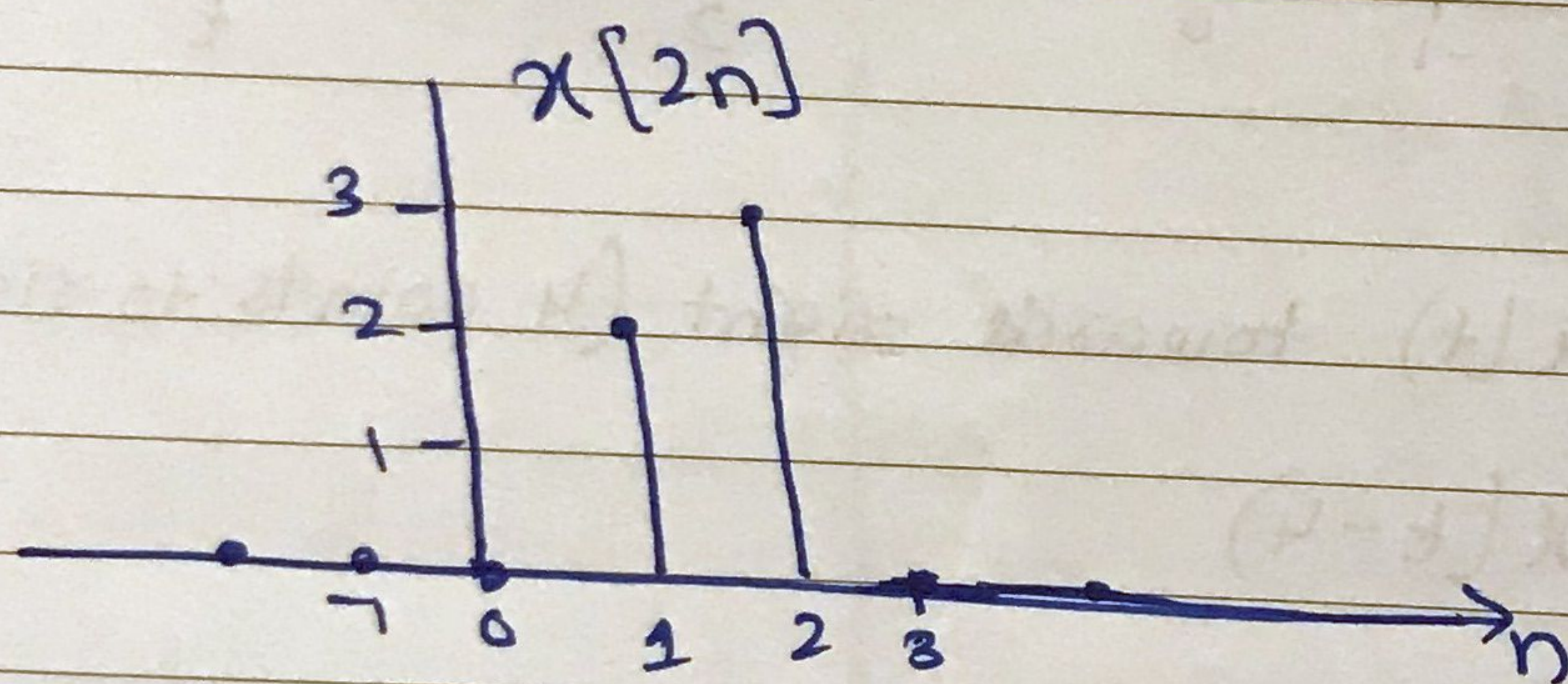
$$\frac{0}{2} = 0$$
$$\frac{4}{2} = 2$$
$$\frac{6}{2} = 3$$

Q#2:



a) $x[2n]$

Soln-



R.W

$$\frac{0}{2} = 0 \checkmark$$

$$\frac{1}{2} \Rightarrow 0.5$$

$$\frac{2}{2} \Rightarrow 2 \checkmark$$

$$\frac{3}{2} = 1.5$$

$$\frac{4}{2} = 2 \checkmark$$



b) $x[n-2]$

Soln-

