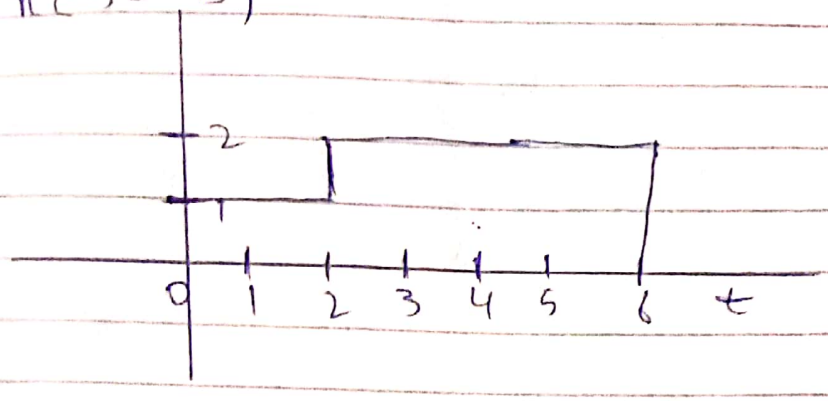
(Q2)(2)

$S = 5$, $B = 8$

(a). $\frac{1}{5} x(-5t-8)$

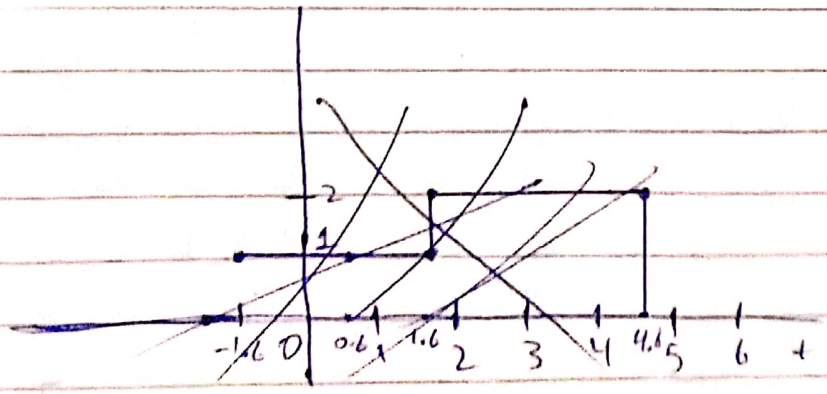


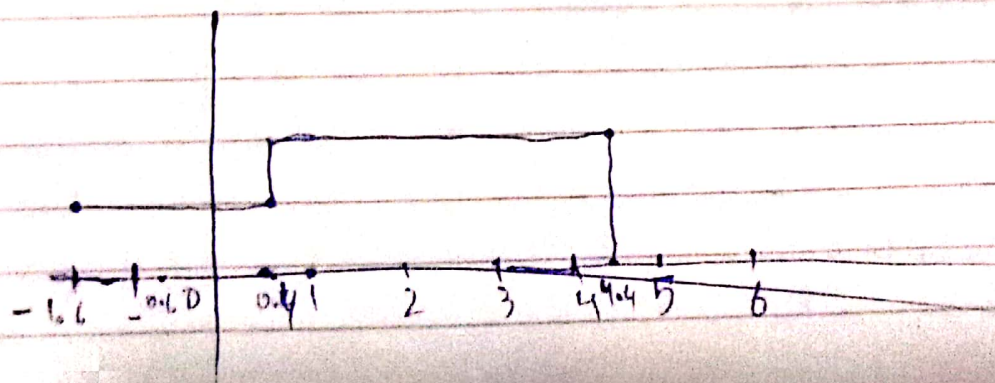
B

$\frac{1}{5} x(-5t-8)$

$\frac{1}{5} x(-5(t+\frac{8}{5}))$

$x(t+\frac{8}{5})$:





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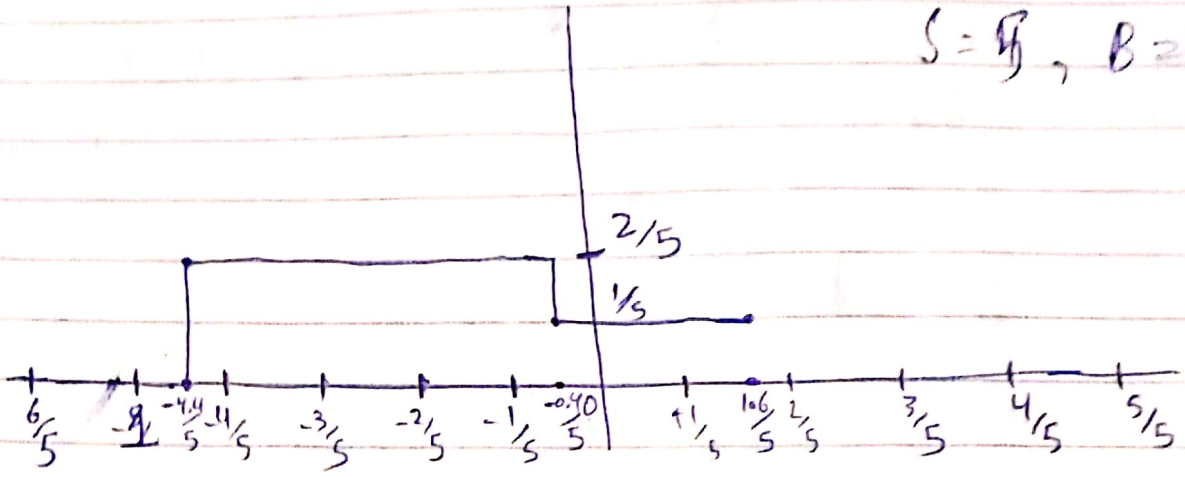
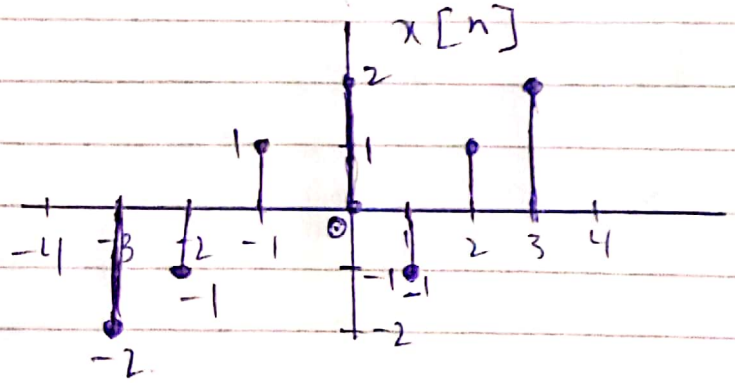
$\frac{1}{5}\, x(-5(t+\frac{8}{5}))$:

$S = \frac{1}{5}$, $B = 8$



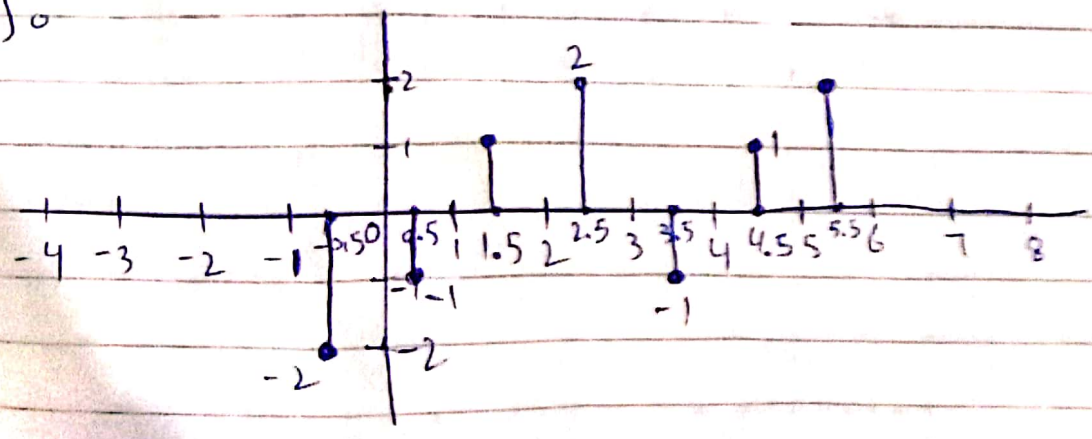
(b)



$8x[-2n+5]$:

$8x[-2[n-\frac{5}{2}]]$:

$x[n-\frac{5}{2}]$:



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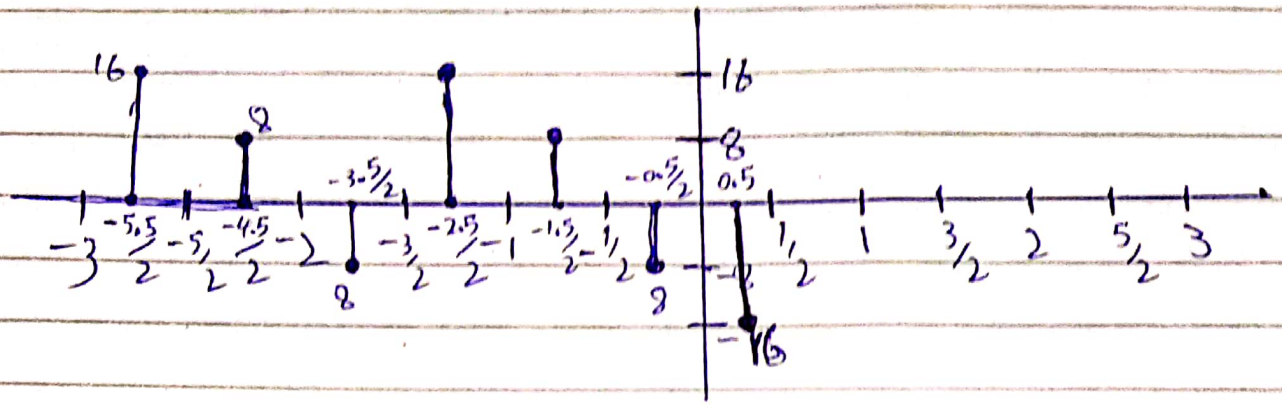
$8u\left[-2\left[n-\frac{5}{2}\right]\right]$:



(2) (a) Shifting : Advance or delay in the signal
(b) Scaling : Expand or compress the signal
(c) Reverse : Rotate the signal along vertical axis.

Best order:
1. Shifting
2. Scaling / Reversing.

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