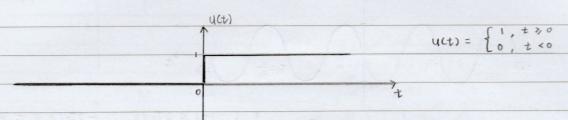


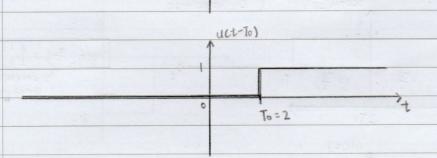
No.:

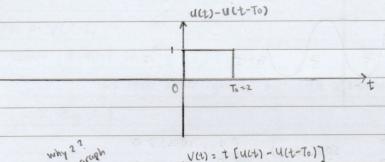
Date:

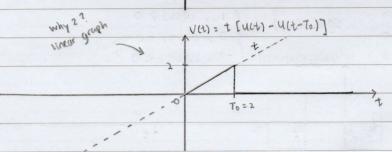
2) $\chi(t) = \sum_{n=1}^{\infty} V(t-nT_0)$ and $y(t) = -\chi\left(\frac{t+4}{2}\right)$

Where Vct) = t [UCt) - U(t-To)], and To = 2



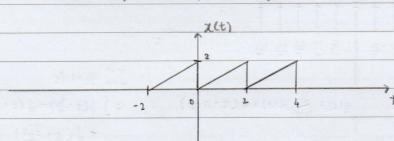








* V(t+To)+ V(t)+ V(t-To)



Time sniffing x(t-T) or x[n-k]

 $V(t+2) \qquad V(t-2)$

= V(t-(-2)) Shift right by 2

shift left by 2

Date: No.: 儿出 Time shifting X(t-T) continue (2) a < o (inverted) Time scaling La 101 >1 expand duration
L> 191 < 1
compress duration t → -x(=) $\chi(t) \longrightarrow -\chi(t)$ time snifting time scaling Amplitude 0=2 scaling 1-X(+) ナセ -火(生) y(t)= -x (++4)

Date: Energy Ex = 500 1xctil dt 3) V(t) $E_{\chi} = \int_{-\infty}^{\infty} |\chi(t)|^2 dt$: 5.00 (-3 V(t)) 2 dt : 9 5-00 1441 | 2 dt (Energy of V) -3 v(t) * Energy can never be negative y(t) = V(t-3) I time shifting Ly Area under graph will still be some 5 of 1x(t)|2 : Ey = Ev