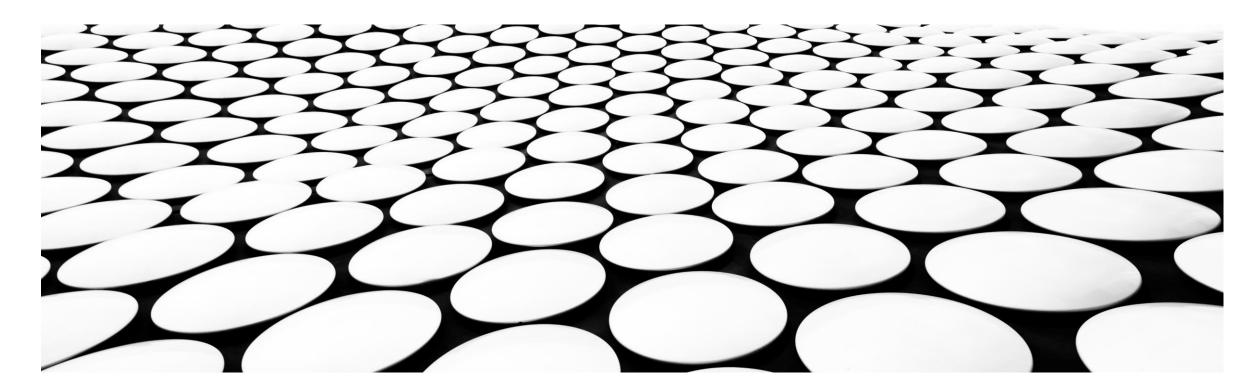
SIGNALS & SYSTEMS

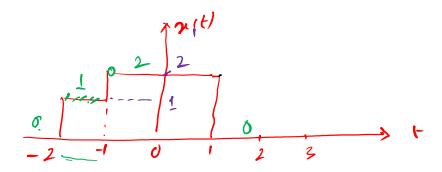
MR. ANKUR JYOTI SARMAH

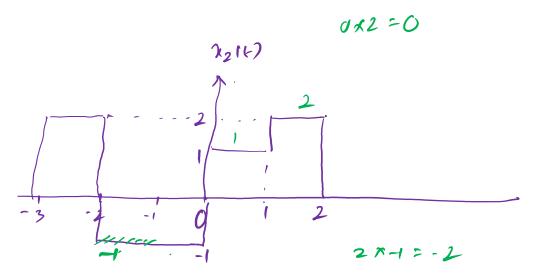
ASSISTANT PROF., DEPT. OF ELECTRONICS & TELECOM. ENGG.

ASSAM ENGINEERING COLLEGE

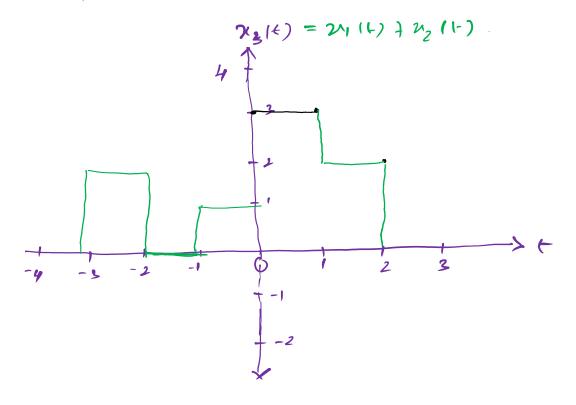


1) Add The two given signals: -



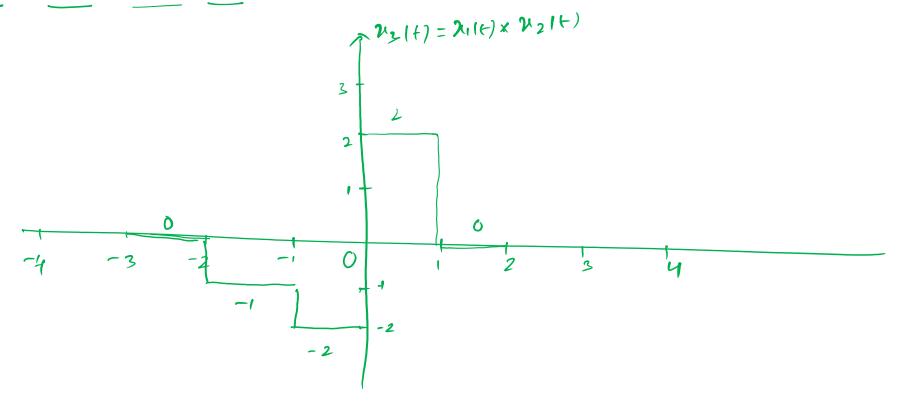


2 20 - 0





Muliphy ru two signels:-





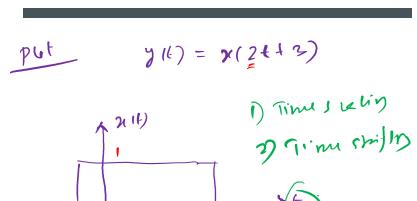
Plot
$$y(t) = Ax \left(\frac{-E - \epsilon_0}{a} \right)$$

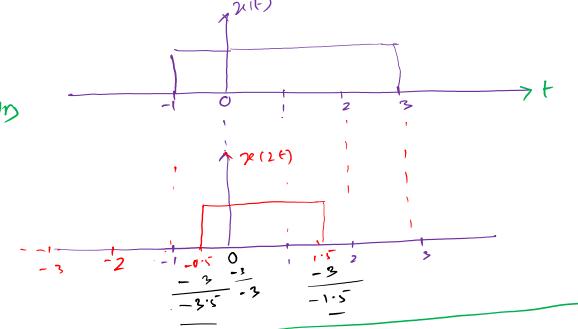
$$\frac{\chi(t)}{2(1+)} = \begin{cases} -2, -1 < 0 \\ +2, + > 0 \end{cases}$$

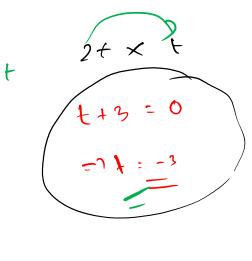
$$\frac{-t-to}{a} = -\frac{t}{a} - \frac{to}{a}$$



Method ! : - Time suching - Time shifting

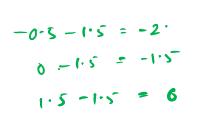


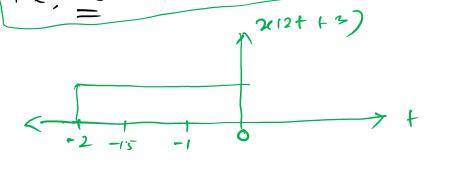




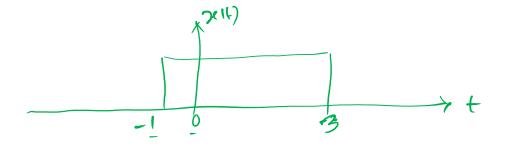
Time smifting is always porformed against the dime x x is

i'e', (t' not 2t'

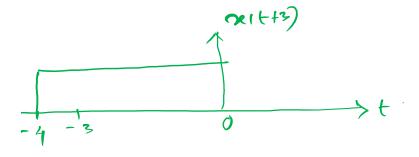


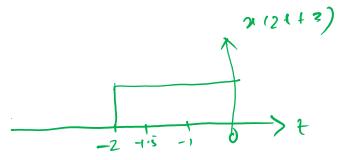






Time shifting

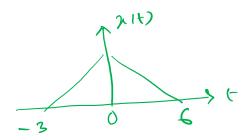






Prium2

X16)



$$\begin{cases}
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