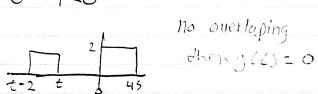
b)
$$A=2, B=1, T_1=45, T_2=25$$

 $x(z)$ $h(T)$

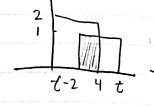
· Time Reversal + Shifting

0 +40



$$g(t) = \int_0^t x(t) h(t-T) dT$$

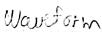
$$= \int_{0}^{t} (1)(2)d\overline{1} = (2T)_{0}^{t} = 2(t-0)$$

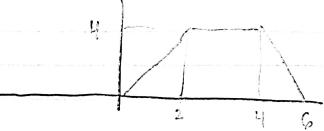


$$9(t) = \int_{t-2}^{4} (1.2) dt = (27)_{t-2}^{4}$$

$$9(6) = \int_{\xi - 2}^{4} (1.2)d\zeta = (27)_{\xi - 2}^{4}$$

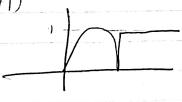
$$9(6) = 2(4 - (6 - 2)) = 2(4 - 6 + 2) = 2(6 - 6)$$





$$= -\cos(st) = \pi \left[-\cos\pi + \cos\theta \right]$$

$$=\frac{2}{\pi}=0.63662$$



no intersection

Soy
$$Z(S) = \frac{1}{(S+1)} \cdot \frac{1}{(S+2)}$$

So, =
$$P = e^{-t}u(t) = [(e^{-2t} - e^{-t})u(t)]$$