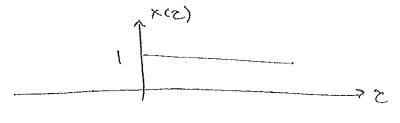
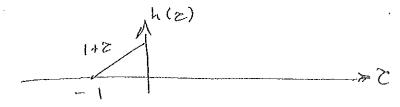
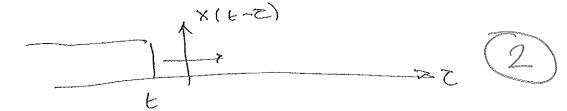
Question 3 (a)

门

$$h(t) = \begin{cases} 0 & \text{elsewhere} \\ 1+t & -1 \leq t \leq 0 \end{cases}$$







$$-1 \leq t \leq 0 \qquad y(t) = \int_{-1}^{1} (1+z)dz = z + z^{2} \Big|_{z}^{1}$$

$$= t + t^{2} + 1 - \frac{1}{2}$$

$$=\frac{1}{2}+t+t^{2}$$
 $=\frac{1}{2}+t+t^{2}$
 $=\frac{1}{2}+t^{2}$
 $=\frac{1}{2}+t^{2}$

