$$y(H) = -x(H) + 2x(H-1) - x(H-2)$$

$$y(H) = -x(H) + 2x(H)e^{-j2\pi HT} - x(H)e^{-j4\pi HT}$$

$$x(H) = \frac{A}{2}e^{j4} \delta(H-1) + \frac{A}{2}e^{-j4} \delta(H+1) = \frac{A}{2}e^{j4} \delta(H-1) + \frac{A}{2}e^{-j4} \delta(H+1)$$

$$|Y(1)| = 2|X(1)| |1 - \cos 2\pi i |T| =$$

$$= 2 \left[ \frac{A}{2} \delta(|-|-|) + \frac{A}{2} \delta(|-|-|-|) \right] \cos 2\pi i |T|$$

A 
$$\cos \frac{\pi}{4} \delta(1-10) + A \cos \frac{\pi}{4} \delta(1) d$$