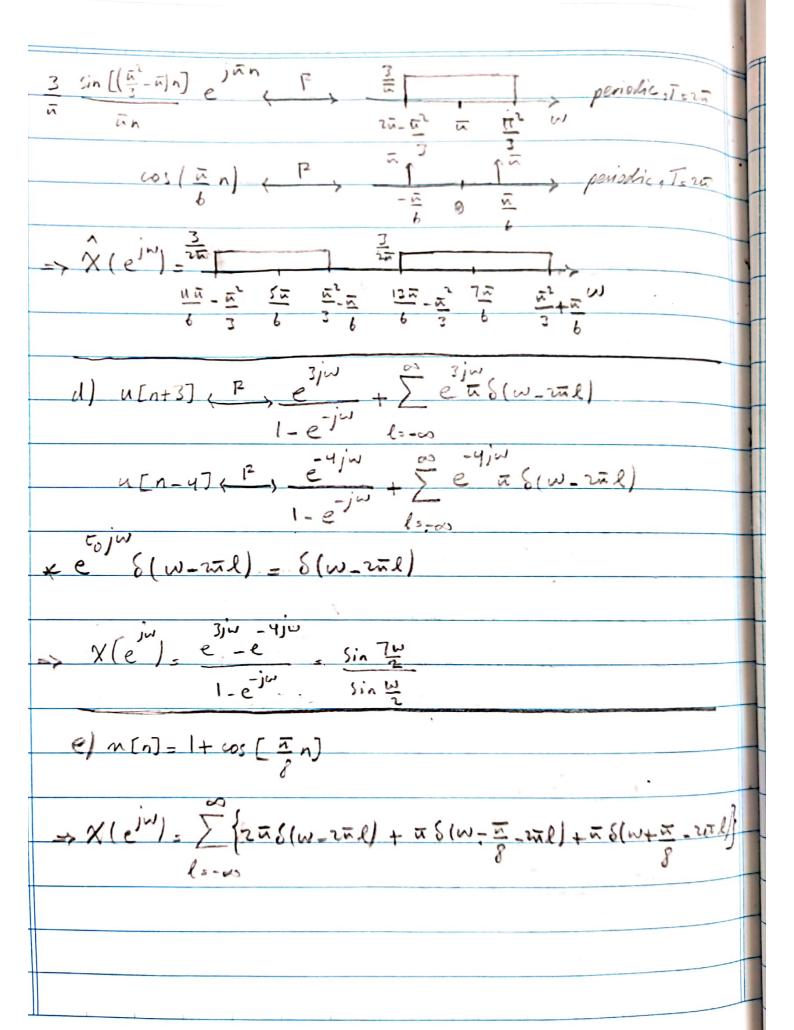
مل تمرين مده تي تي درية ك.

1) a) 
$$x(z-n) \leftarrow e^{-\frac{1}{2}y} \times (e^{-\frac{1}{2}y})$$

$$x(e^{-\frac{1}{2}y}) \Rightarrow x(e^{-\frac{1}{2}y}) \Rightarrow x(e^{-\frac{1}{2}y}) \times (e^{-\frac{1}{2}y}) \times (e^{-\frac{1}{2$$

HAHAL

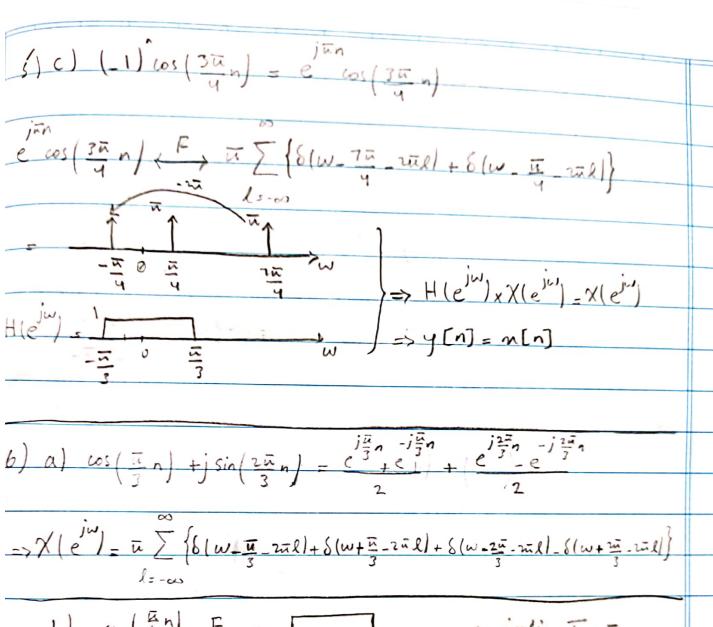


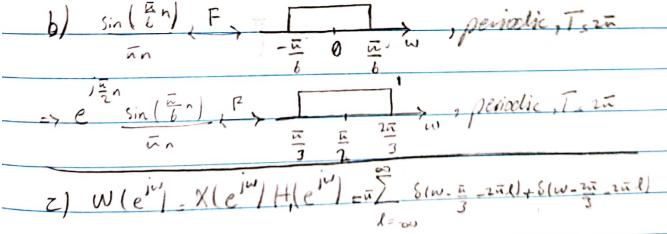
$$\frac{1}{1-e^{-j\omega}} = \frac{1}{1-e^{-j\omega}} = \frac{1}{1-e^{$$

$$H(e^{i\omega}) = \frac{Y(e^{i\omega})}{X(e^{i\omega})} = \frac{1}{1 + \frac{1}{2}e^{i\omega}}$$

$$\frac{1 - \frac{1}{2}e^{-j\omega}}{1 - \frac{1}{2}e^{-j\omega}} = \frac{1}{1 + \frac{1}{2}e^{-j\omega}} = \frac{$$

1) 
$$Y(e^{i\omega}) = \chi(e^{j\omega})_{\chi} H(e^{j\omega}) = (1+\frac{1}{2}e^{-j\omega})_{\chi} (\frac{1}{1+\frac{1}{2}e^{-j\omega}}) = 1$$







| 6101 | wEn]= | e in | e jzin |
|------|-------|------|--------|
|      |       | 2    | 2      |

$$\frac{\delta(w-\frac{2\bar{u}}{3}-v\bar{n}l)}{e^{\frac{2\bar{u}}{3}}}$$

periodic, Tom