No. Date 9n=2+t ap= 2-t = (2+t)·efwt dt + (2-t)·efwt $G(w) = 2e^{2iw}(-2iw + 2iw - 1)$

1 b

No.

Date

 $Dn = \frac{1}{10} \int_{T_0} g(t) \cdot e^{-t} n \omega_0 t dt$ $gn = 2 + t \quad gp = 2 - t$ $gn = 2 + t \quad gp = 2 - t$

 $D_{n} = \frac{1}{To} \int_{-2}^{0} (2tt) \cdot e^{\int n\omega t} dt + \int_{0}^{2} (2-t) \cdot e^{\int n\omega t} dt$

 $e^{-yn\frac{\pi}{2}t} = (e^{-y\frac{\pi}{2}})^{-1} = [\cos \frac{\pi}{2} - y \sin \frac{\pi}{2}] = -1y = -1$

 $D_n = \frac{1}{4} \int_{-2}^{0} (2+t) \cdot -y^{nt} dt + \int_{0}^{2} (2-t) \cdot -y^{nt} dt$

Dn = 1 (-4/11 - 4e 11 + 4) + 1 (-4/11 - 4e 11 - 4)

 $D_n = \frac{-e^{\frac{\pi}{N}} - e^{\frac{\pi}{N}} + 2}{e^{\frac{\pi}{N}} + 2}$

 $Dn = \frac{-2e^{-\frac{\pi}{2}n}}{n^2 \cdot n^2} + 2 \qquad 2e^{-\frac{\pi}{2}n} = 2 \cdot \left[\cos \frac{\pi}{2} \cdot \left[\cos \frac{\pi}{2}\right] + 2\right]$

DE17 = 0,40528

 $D_{n} = -2 \operatorname{Cee}_{11} + 2 = D_{3} = 0,0450316$

$$G(\omega) = \begin{cases} 2 \\ + \cdot e^{-\frac{1}{2}\omega_0 t} dt + \begin{cases} 6 \\ (4-t) \cdot e^{-\frac{1}{2}\omega_0 t} dt + \begin{cases} 6 \\ (t-8) \cdot e^{\frac{1}{2}\omega_0 t} dt \end{cases}$$

$$G(\omega) = 16 i e^{4i\omega} sin^3(\omega) \cdot cos(\omega)$$

W0 = D4

$$Dn = G(\omega_n) = 2 \cdot (e^{-4i\omega_n} \cdot sen^3(\omega_n) \cdot ces(\omega_n) \Rightarrow G(\xi_n)$$

$$To \qquad (\omega_n \cdot n)^2$$

Data= 20: (ein . sen (1/41) · Cos (1/4n))

 $\left(\frac{\widetilde{1}}{4}\right)^2$

37.1