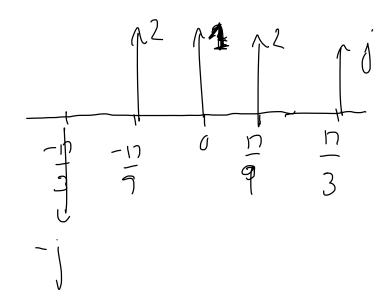
EXAMEN PARCIAL ASJ 18-19

Epraian L



- a) Séral periódica, entonæs no esté definide a energie. E= 2.
- b) (Jahr medio.

$$2700 = 4 \Rightarrow 00 = \frac{1}{217}$$

C) (Penidia?

Si es periódia, son dellas equiaspaciados

$$\frac{2n}{n/s} = 18 \qquad \frac{2n}{n/3} = 6 \qquad m, e, \omega = \left[\frac{18}{3}\right] = 18$$

d) ¿/20017 El midde & overios (aurae la fare no) => serce ral Eperação 2 Xtn = 20tn-23; $y(n) = 0,5^{n-2} \mu tn-23$ Elineal e invisionte? No æ puede obser, faltaria obse ortada jara comparar. $(-1)^{\prime}$ $\frac{1/2}{3/2} = \frac{\Lambda}{3}$ $4^{(n)} = (e^{-in})^n \cdot M(e^{in}) = (-1)^n \cdot \frac{1/2}{1 - \frac{1}{2}e^{-in\pi}} = [-1)^n \cdot \frac{1}{3}$ $2\delta(n-2)$ — $3(n) = 0,5^{n-2} \mu \ln 2$ $M(e^{in}) = \frac{1/2}{1-\frac{1}{2}e^{in}}$ $\delta(n) = \frac{1}{2}(0,5^n \mu \ln 3)$

Ejeração 3

$$w(\xi) - \chi(\xi) = g(\xi)$$
 $y(\xi) + y(\xi)$ $y(\xi) + y(\xi) + y(\xi) + y(\xi)$ $y(\xi) + y(\xi) + y$

 $X_3 tnS = X(\frac{K}{D}.Tx.n)$

 $7 = 3.7 \text{W} = 3.10^3$

Wc(E), X/H e y(t), su frecuera trere que ser la misma (la de destro del proéteris).

$$3\sqrt{y} = \frac{x}{y} (1x) 2.10^{-3}$$

$$\frac{\mathcal{K}}{\mathcal{P}} = \frac{3}{2} \implies \frac{\mathcal{K} = 3}{\mathcal{P} = 2}$$
 Shuain udidh.

$$W - X = y(t)$$

Par W 2 17 $L \Rightarrow W_M < \frac{1}{10^{-3}} = 5000 \text{ in}$ WM.10-33217 Wm 2 1 1000 MM . 3.10 3 Para X: 2.~403/17 WM 4 1000 Neavor 2. WM 10-3 D 2 Snlesp. No hay solape $\frac{\text{pwn} 10^{-3}}{2} 2n$ 3Wm.103 < 17 Wm € 17 1000