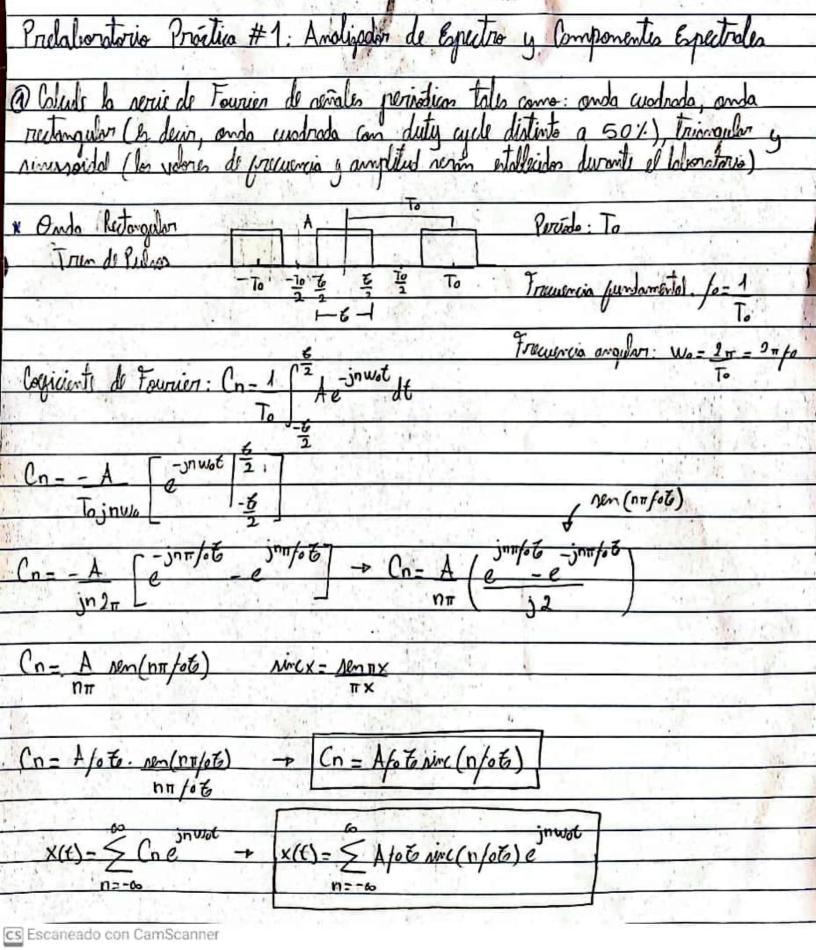
Universidad Simón Bolívar Departamento de Electrónica y Circuitos Ec 3043 - Laboratorio de Comunicaciones Profesor: Miguel Diaz

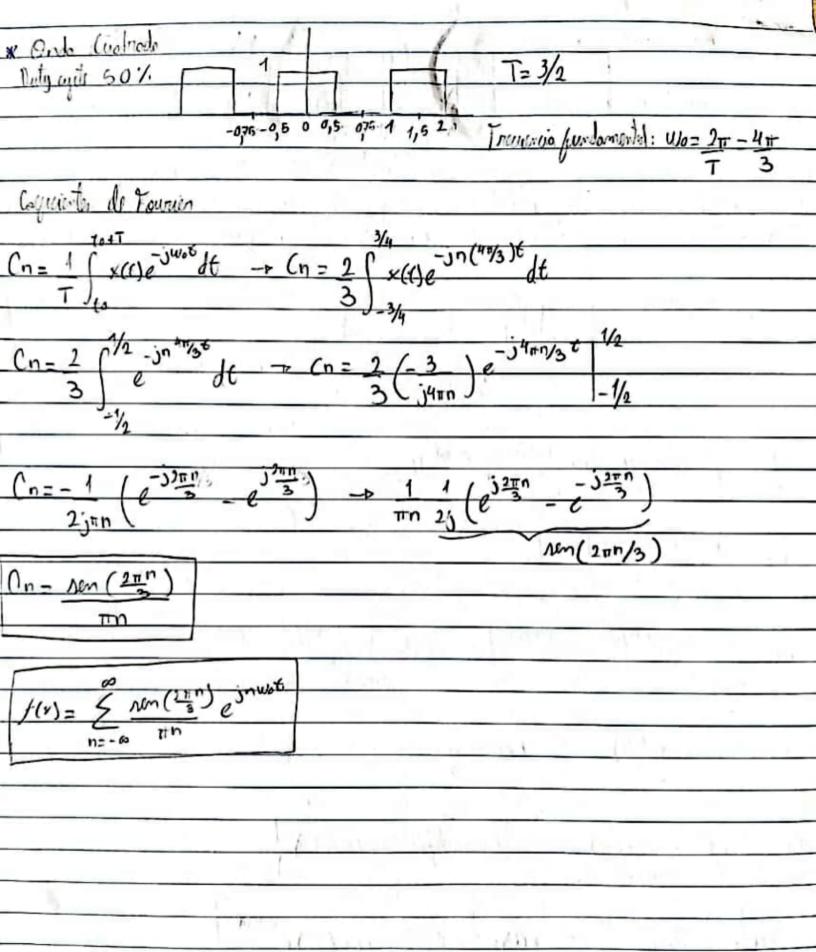
## Prelaboratorio

Integrantes:

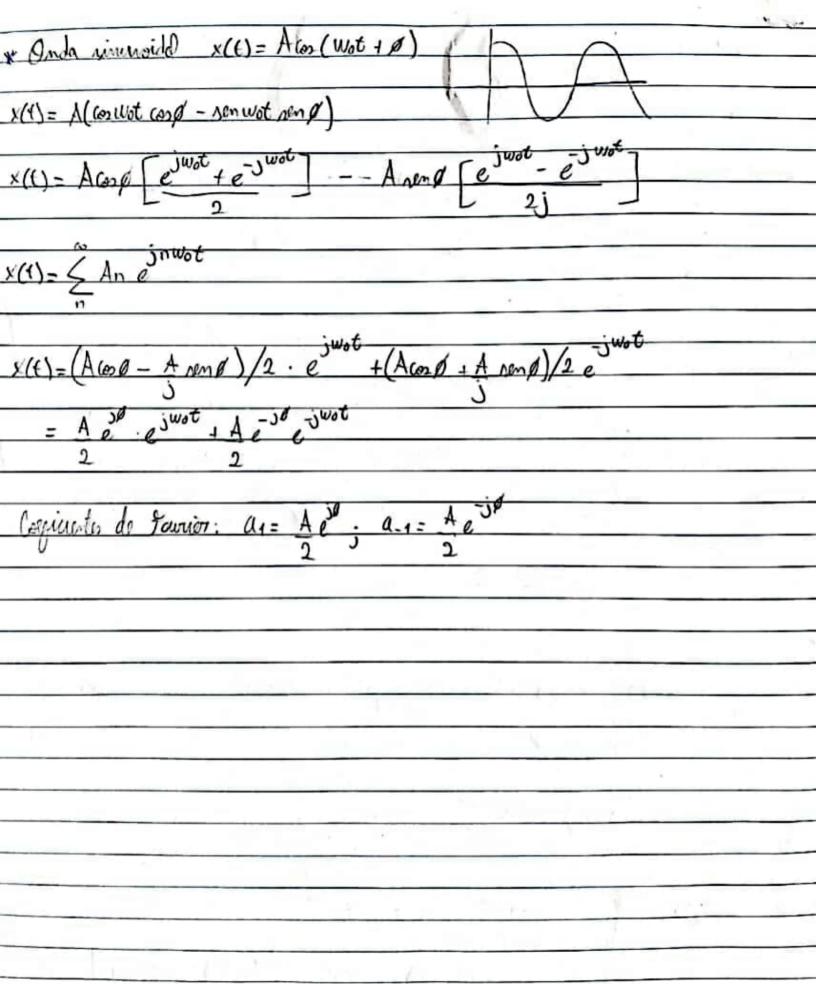
Miguel Salcodo 15-11326 Giancarlo Torlone 20-10626

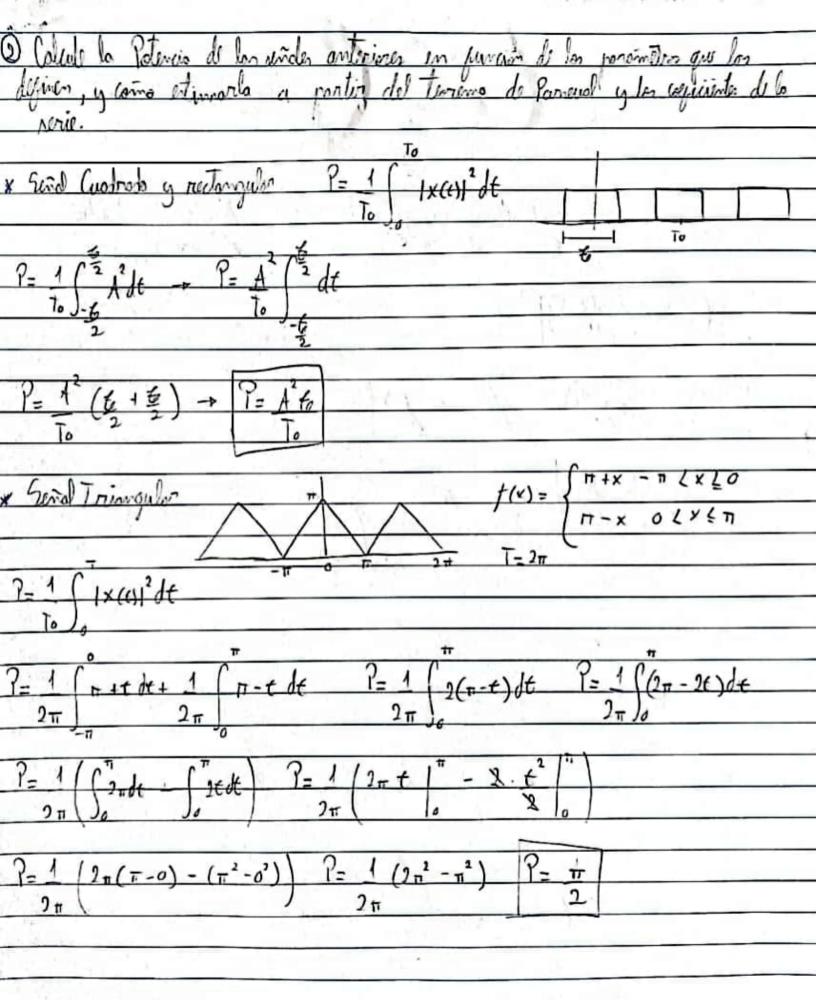
May0, 2024

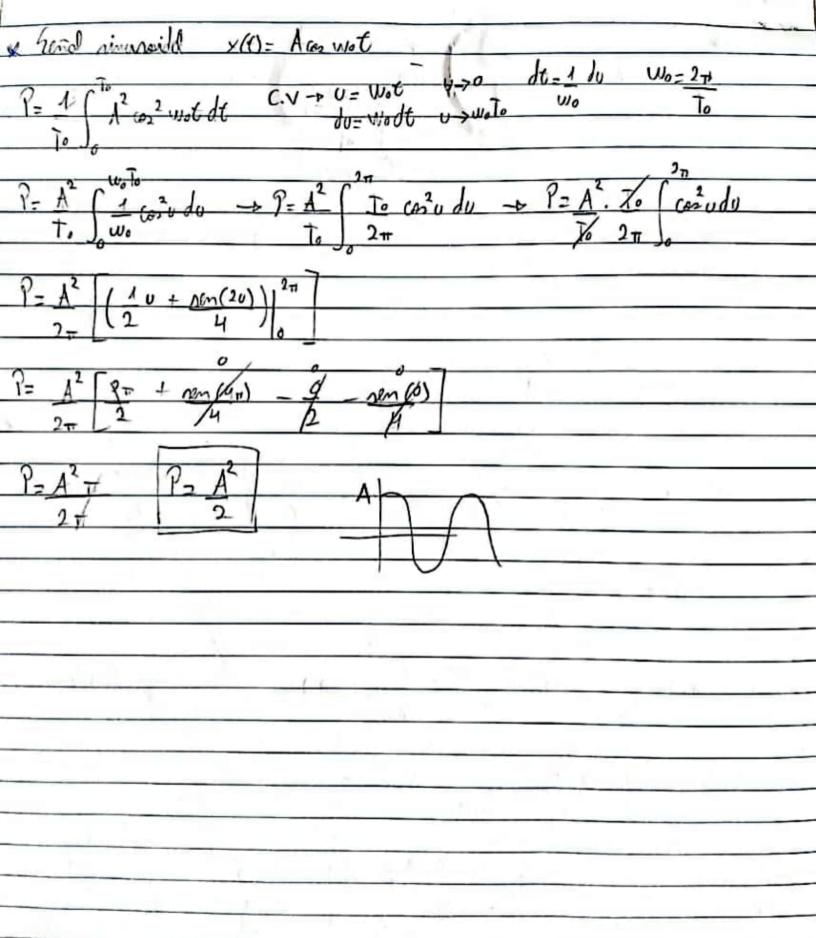


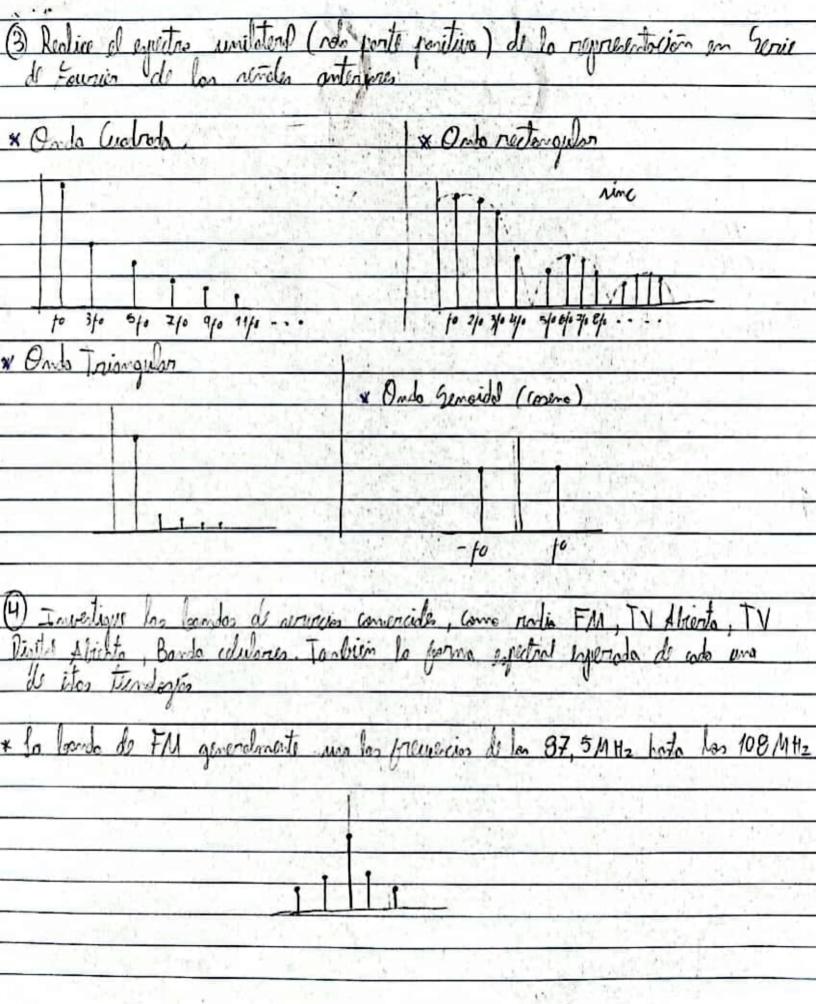


x Onto Triangular  $\frac{f(x)=a_0}{2} + \sum_{n=0}^{\infty} A_n \omega_n(wnt)$  $An = 2 \int_{-T}^{2} f(x) \cos(nwx) dx$ Bn = 2 (2) /(r) Nor (mur) dx  $\frac{a_{o}-2\int_{-\frac{\pi}{4}}^{2} f(x)dx}{T} \xrightarrow{-b} \frac{a_{o}-2}{T} \int_{-\frac{\pi}{4}}^{\frac{\pi}{4}} f(x)dx + \int_{-\frac{\pi}{4}}^{\frac{\pi}{4}} f(x)dx - \int_{-\frac{\pi}{4}}^{\frac{\pi}{4}} f(x)dx - \int_{-\frac{\pi}{4}}^{\frac{\pi}{4}} f(x)dx + \int_{-\frac{\pi}{4}}^{\frac{\pi}{4}} f(x)dx - \int_{$  $\frac{\mathcal{Q}_{o} = \frac{2}{2\pi} \int_{0}^{2} (\pi - x) dx \xrightarrow{-\rho} \frac{\mathcal{Q}_{o} = 2}{\pi} \int_{0}^{\pi} \pi - x dx \xrightarrow{\rightarrow} \frac{\mathcal{Q}_{o} = 2}{\pi} \left[ \frac{\pi \times - x}{2} \right]_{o}^{\pi}$  $G_0 = 2 \left[ \pi^2 - \Gamma^2 \right] = 2\pi - \pi = \pi$  $\frac{An = 2}{2\pi} \int_{0}^{2(\pi-x)} \frac{\cos(nwx)}{\cos(nwx)} dx \rightarrow An = 2 \left[ \pi \int_{0}^{\pi} \cos(nwx) dx - \int_{0}^{\pi} x \cos(nwx) dx \right]$  $A = \left[\frac{1}{1} \frac{\text{New}(n \cdot u \cdot x)}{n \cdot w}\right]^{\frac{1}{2}} = 0$   $B = \frac{\text{New}(n \cdot u \cdot x)}{n \cdot w} \times - \frac{1}{0} \frac{(n \cdot u \cdot x)}{n \cdot w} dx$   $= \frac{1}{0} \frac{\text{New}(n \cdot u \cdot x)}{n \cdot w} + \frac{1}{0} \frac{(n \cdot u \cdot x)}{n \cdot w} dx$  $B = \frac{\ln(\ln \ln x) \times -(-\ln(\ln x))}{(\ln x)^2} \qquad B = \frac{(-1)^n - 1}{\ln^2} \qquad An = -\frac{2(-1)^n + 2}{17n}$  $f(x) = \frac{\pi}{2} + \frac{2(-2(-1)^{n}+2)}{\pi n^{2}} (ex(wnt))$ cs Escaneado con CamScanner









* So IV Sista	una francisco	lende 59,75 M 112	hota 215, 75 MH	, (Amirico)
		- 1		
* to TV digital	arinto en Virguel	a una frecuercio	Sile 501 MHz	ota 539/11 Hz
* Barlo celulone	o 65M. En	Venguelo no una	65M-850 y 6	5M-900/1800
		1		
65M	Subida (MH2)	Bajodo (MH2)		
860	924 - 849	869 - 894		F
900	890 - 915	935 - 960		
1800	1710 - 1785	1805-1880		
<del></del>				
			0.5	
			111111111111111111111111111111111111111	
			7.1	
			-	

Forma espectal Madio FM \* Portabora Forma espectial TV Abierta Portabora Portabora Portadora de Sonido Se color de Video

