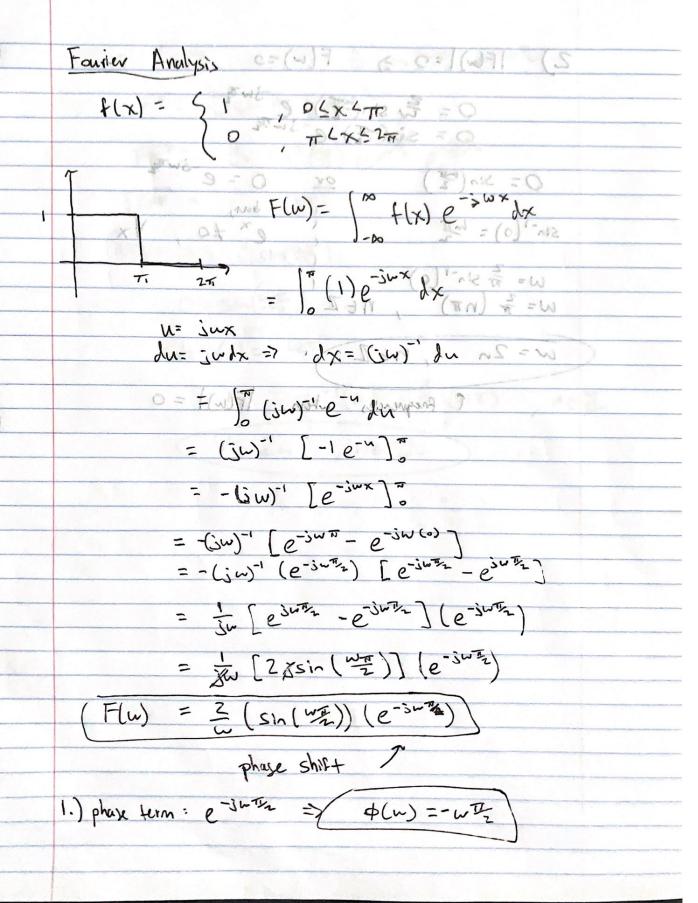
DSP - Quit Z Review Marerial 1.) a) 2= -2+2; (oc) ==+ = (o) Z = -L + LS $Im_{\uparrow} \phi = tcm^{-1}(\frac{y}{x}) = tcm^{-1}(\frac{z}{-2}) = tcm^{-1}(-1) = \frac{3\pi}{2}, \frac{7\pi}{4}$ 中= ten-1(==)= ten-1(1)= 元,元 C)7=2-2; 0 = tun(-1) = 3 = 7 = ρ Re (Φ = 7%)

2) a) V(t)=4(05(25(10)t +30°) v(0)= 4(0)(30°) v(0)= Rei 4ei30°)? V= 4ei30°> = 4ei36° b.) NUT)= Esin(27 (10)t -60°) V(0) = 25:- (-60°) = Im { Zei(-60°) } -60° = - F3 = 573 V = 2ei(-60°) = 2ei(=3



2) $|F| = \sqrt{FF^*}$ $F = \frac{2}{\omega} \sin(\frac{m\pi}{2}) e^{-j\omega^2 2}$ $F^* = \frac{4}{\omega^2} \sin(\frac{m\pi}{2}) e^{j\omega^2 2}$ $\sqrt{FFF^*} = \frac{2}{\omega} \sin(\frac{m\pi}{2})$ $\sqrt{FFFF^*} = \frac{2}{\omega} \sin(\frac{m\pi}{2})$ $\sqrt{FFFF^*} = \frac{2}{\omega} \sin(\frac{m\pi}{2})$ $\sqrt{FFFF^*} = \frac{2}{\omega} \sin(\frac{m\pi}{2})$ $\sqrt{FFFF^*} = \frac{2}{\omega} \sin(\frac{m\pi}{2})$ $\sqrt{FFFFF^*} = \frac{2}{\omega} \sin(\frac{m\pi}{2})$ $\sqrt{FFFFFF^*} = \frac{2}{\omega} \sin(\frac{m\pi}{2})$ $\sqrt{FFFFF^*} = \frac{2}{\omega} \sin(\frac{m\pi}{2})$ $\sqrt{FFFFF^*} = \frac{2}{\omega} \sin(\frac{m\pi}{2})$ $\sqrt{FFFFFF^*} = \frac{2}{\omega} \sin(\frac{m\pi}{2})$ $\sqrt{FFFFF^*} = \frac{2}{\omega} \sin(\frac{m\pi}{2})$ $\sqrt{FFFFF} = \frac{2}{\omega} \sin(\frac{m\pi}{2})$ $\sqrt{FFFF} = \frac$