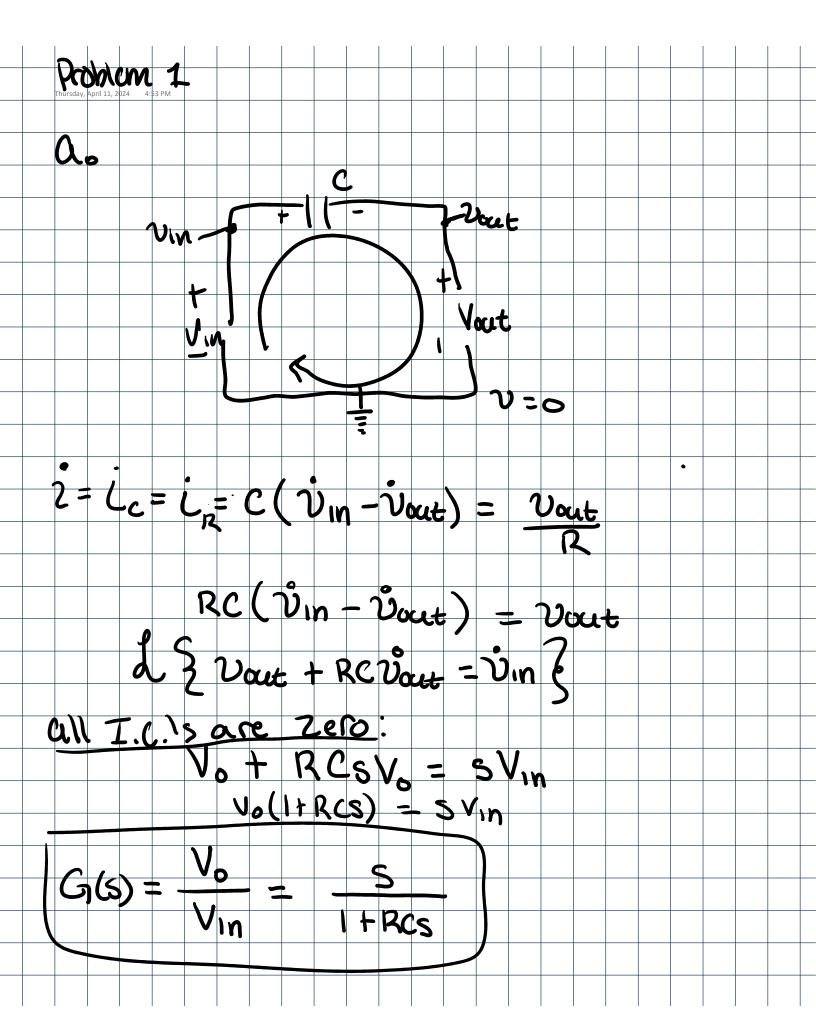
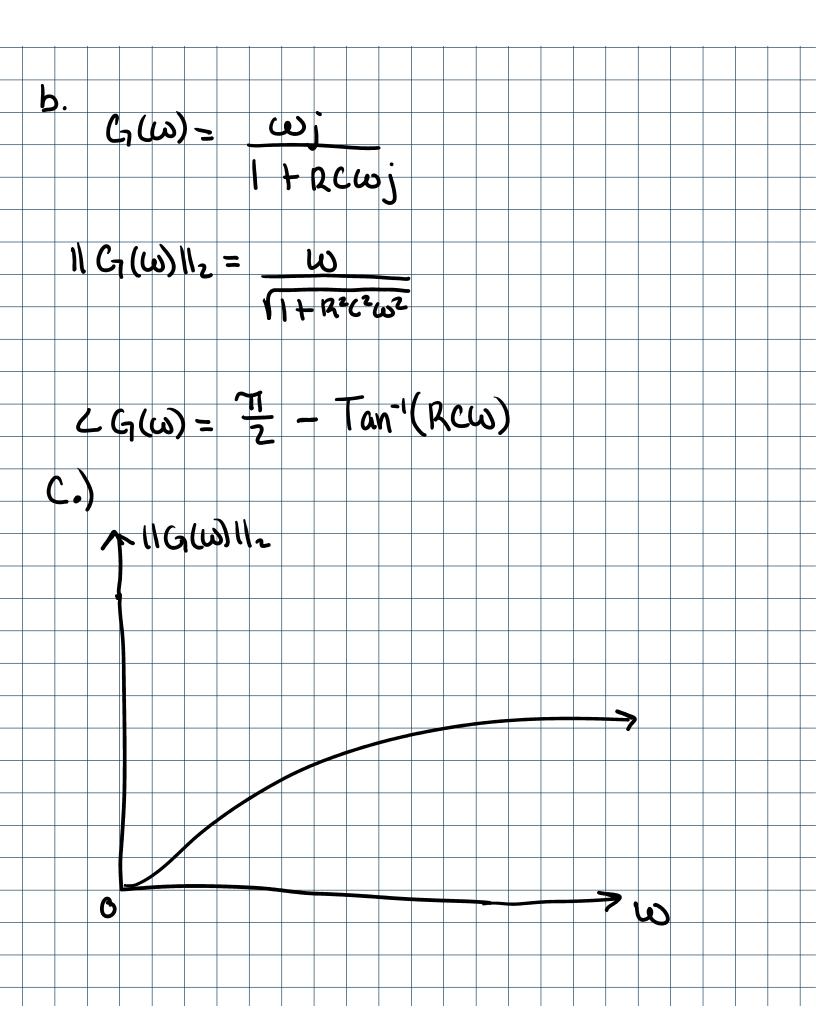
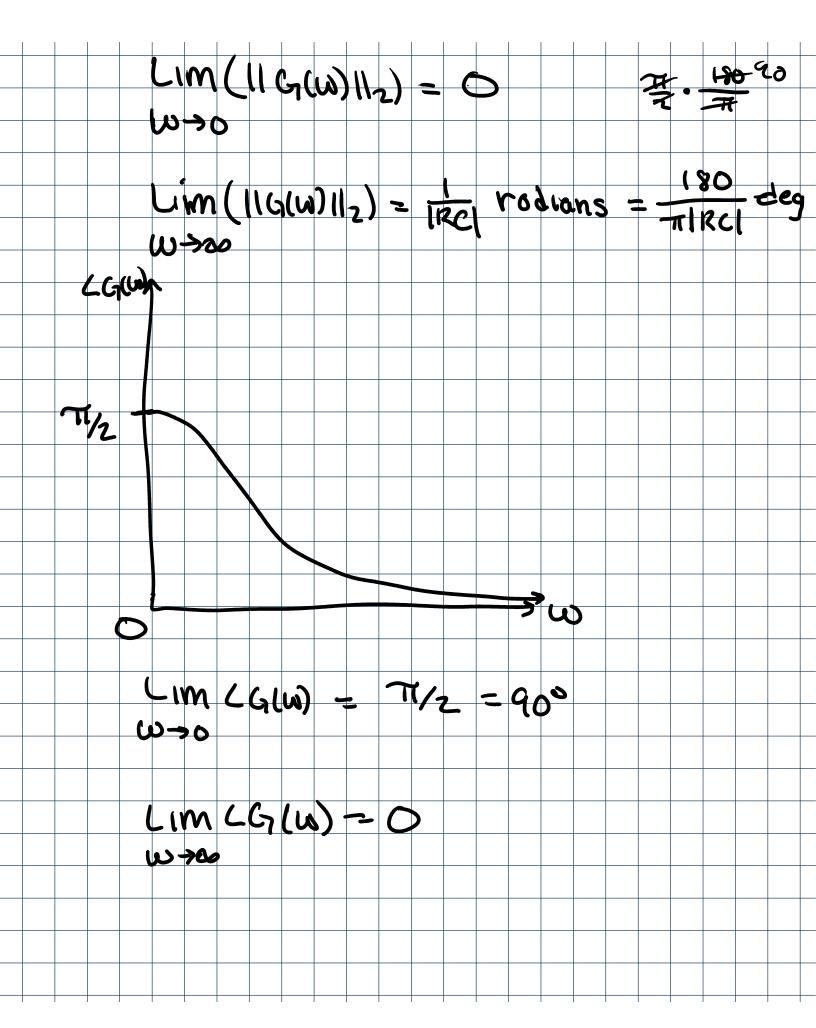
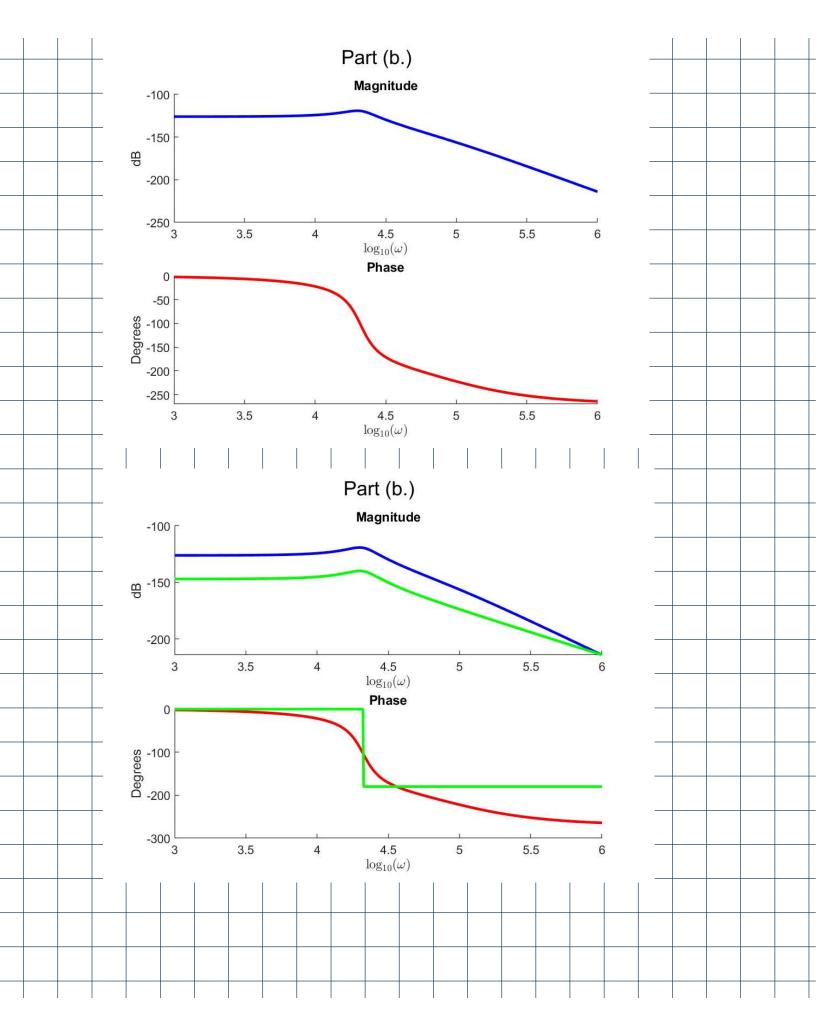
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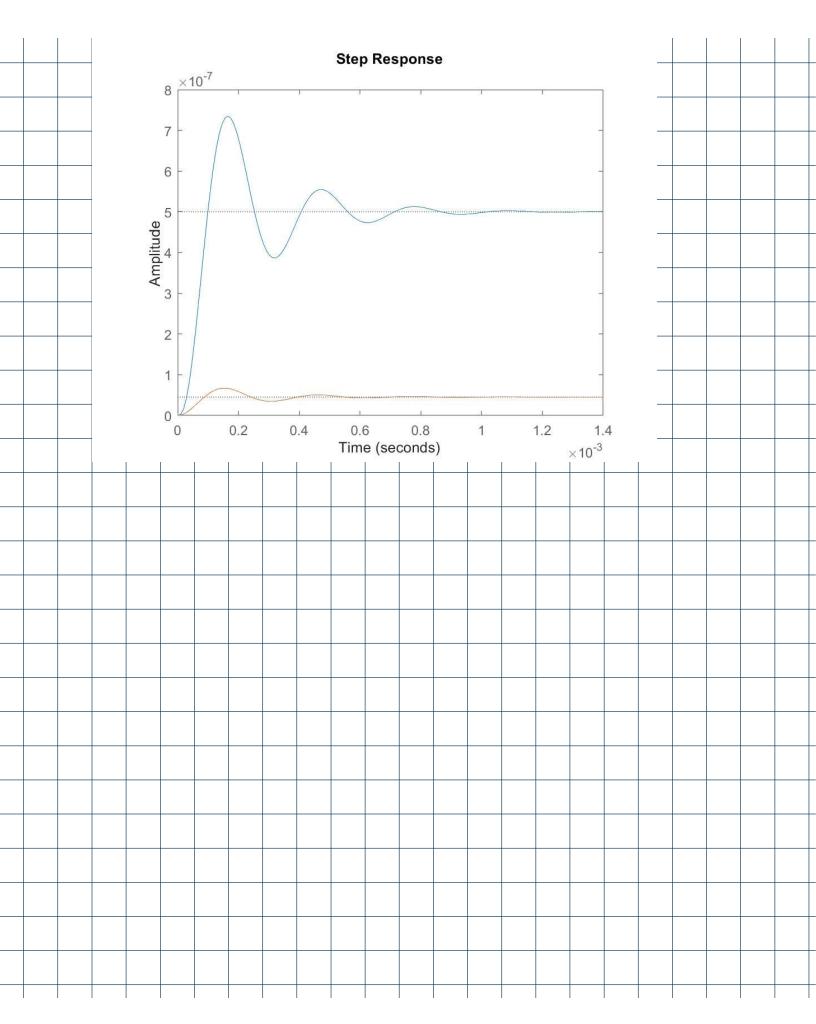


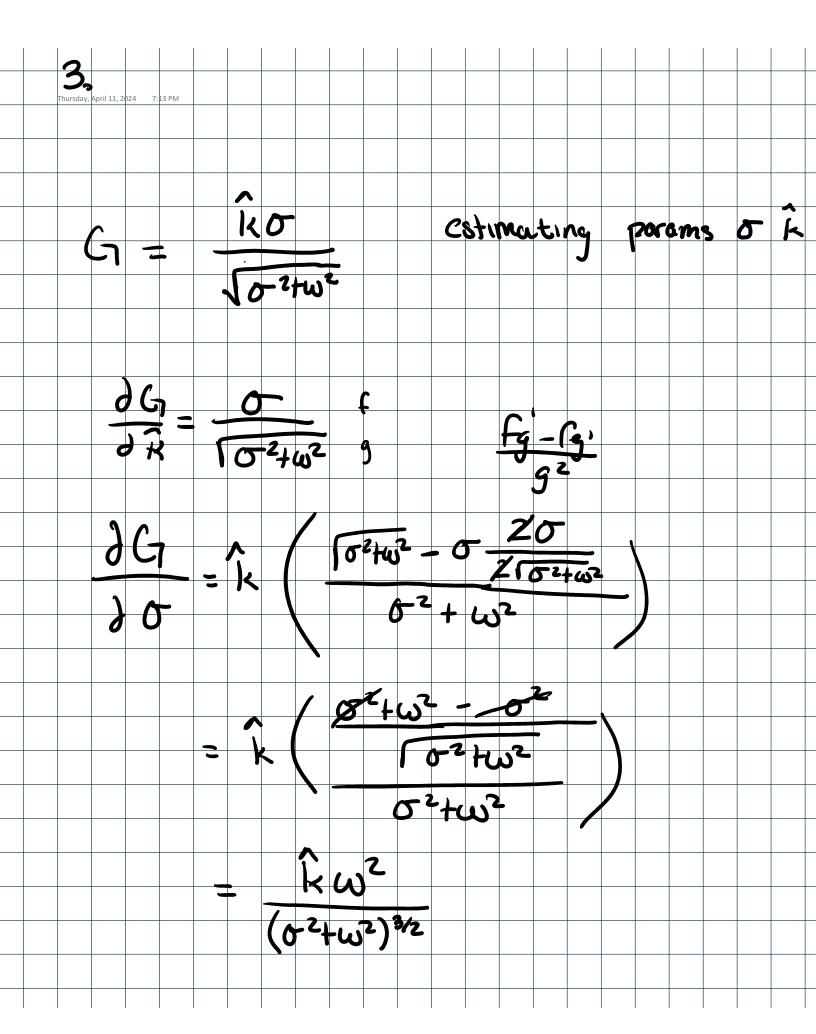




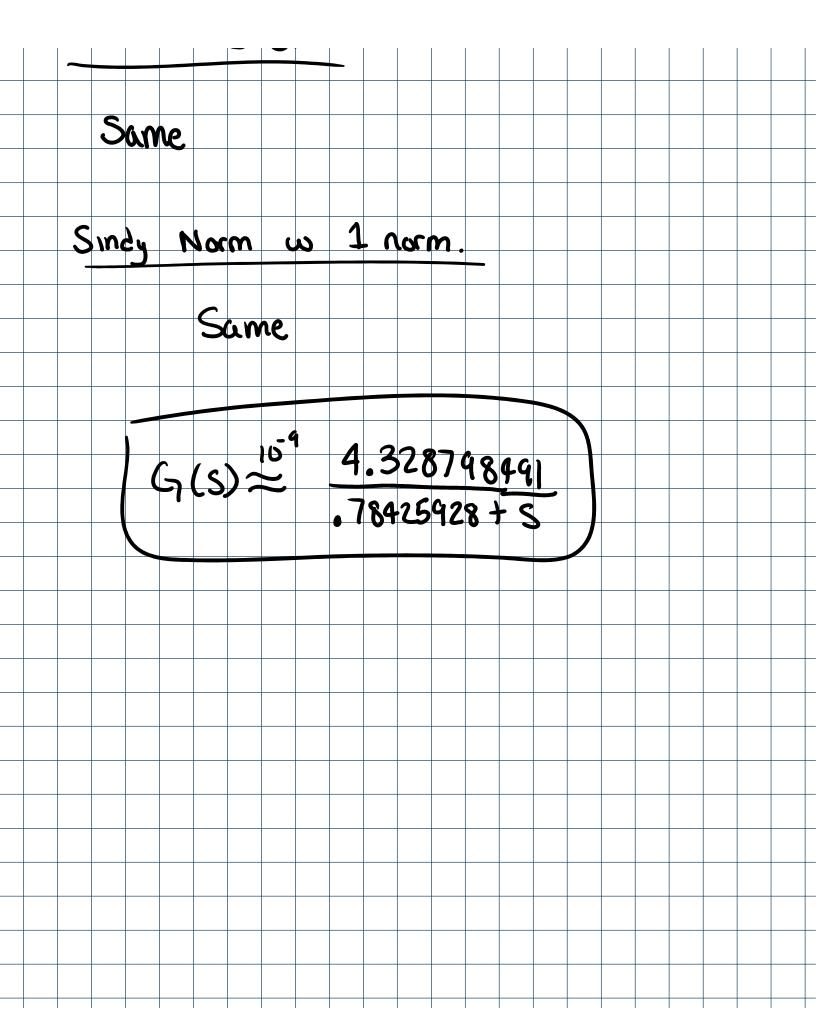
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		=> (7(3) =	e 7893 + S
6 = .	7843		
2. Norm	1 cror		



Problem 5

a.)

$$\begin{array}{l}
\Omega_0 = \frac{2}{T_0} \int_0^{T_0} f(t) dt \\
\Omega_0 = \frac{2}{T_0} \left(\frac{1}{2} \left(\frac{1}{2} \right) A \right) \\
\overline{\Omega}_0 = A_0
\end{array}$$

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$$\frac{2 A}{70} \frac{T_0}{2\pi n} \sin \left(\frac{2\pi n}{70} t \right)$$

$$+ O = \left(\frac{T_0}{2\pi n} \right)^2 \cos \left(\frac{2\pi n}{70} t \right)$$

$$\frac{4}{70} \left[\frac{2A}{70} t \left(\frac{T_0}{2\pi n} \right) \sin \left(\frac{2\pi n}{70} t \right) + \frac{2A}{70} \left(\frac{T_0^2}{4\pi n^2} \right) \right]^{\frac{1}{2}} \left[\frac{4\pi n^2}{70} t \right]$$

$$+ \frac{2A}{70} \left[\frac{T_0}{2\pi n} \right] \cos \left(\frac{2\pi n}{70} t \right) + \frac{2A}{70} \left(\frac{10^2}{4\pi n^2} \right) \right]$$

$$+ \frac{2A}{70} \left[\frac{T_0}{4\pi n^2} \right] \cos \left(\frac{2\pi n}{70} t \right) + \frac{7}{70} \left(\frac{2\pi n}{70} t \right) + \frac{7}{70} \left(\frac{2\pi n}{70} t \right) \right]$$

$$= \frac{2A}{70} \left[\frac{A}{70} \cos \left(\frac{2\pi n}{70} t \right) - \frac{A}{70} \right]$$

$$= \frac{2A}{70} \left[\frac{A}{70} \cos \left(\frac{2\pi n}{70} t \right) - \frac{A}{70} \right]$$

$$= \frac{2A}{70} \left[\frac{A}{70} \cos \left(\frac{2\pi n}{70} t \right) - \frac{A}{70} \right]$$

