







worksheet P. 32	$e)  A_{\underline{\pi}} = 4 A_{\underline{T}} \qquad A_{\underline{m}} = 9 A_{\underline{T}}$
7. 3	$f) \qquad F_{\mathbf{m}} = \frac{1}{q}  E_{\mathbf{m}} = \frac{1}{q}  E_{\mathbf{x}}$
	$ \Phi_{\Pi} = \Phi_{\Gamma} $ $ \Phi_{\Pi} = \Phi_{\Gamma} $ Same
	Total electric flux into or out of an anclosed surface is proportional to the Met Charge inside and does Not depend on surface Area
و. ۶۰۶	$\Phi_{\underline{x}} < \Phi_{\underline{x}}$
	$\bar{\mathcal{D}}_{\text{II}} = 0$
	J) same (# of lines is proportional to a
	k) 9, 15 + 92 15 -
	$L) \qquad (\underline{\Phi}_{\underline{\mathbf{I}}}) =  \underline{\Phi}_{\underline{\mathbf{I}}} $
	$\Phi_{\rm I} : S + \Phi_{\rm II} : S - \Phi_{\rm $
	$N$ ) $\Phi_{\Sigma} = -\Phi_{\Xi}$
P. 34	
	Top:
	$ \underline{\sigma}_{\pm} = -\frac{2}{\epsilon_{0}} $
	<u> </u>
	$\Phi_{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline$
Find É	using Gaussis Lewi
	Spherical symmetry









