$$f = \left(\frac{1}{4\pi e_0}\right) \left(\frac{2192}{7^2}\right)$$

for sphere,
$$\sigma = \frac{q}{4\pi \sigma^2}$$

3> Electric entensity:

$$\mathcal{E} = \left(\frac{1}{4\pi \mathcal{E}_{o}}\right) \left(\frac{\mathcal{Q}}{2^{2}}\right)$$

$$\mathcal{E} = \left(\frac{1}{4\pi e_0}\right) \left(\frac{q}{\gamma}\right)$$

$$C = \bigcirc$$

$$K$$
 or $E_7 = \frac{E_{air}}{E_{medium}} = \frac{V_{air}}{V_{medium}}$

$$|\mathcal{L}| = \frac{C_{\text{medium}}}{C_{\text{mix}}}$$

It has no unit

$$E_{o} = \frac{1}{E_{o}}$$

$$\frac{\mathcal{E}}{\mathcal{E}} = \frac{\mathcal{O}_{\mathsf{P}}}{\mathcal{E}_{\mathsf{S}}} \longrightarrow 2$$

$$\sigma_{p} = \sigma \left(1 - \frac{1}{k}\right)$$

$$P = \frac{\mu}{Volume} = \frac{(9.)(4)}{(4)(4)}$$

also, PQE P= ZEOE Syspertibility