Day #4 Physics 201 More Gauss' Law Eda: Ow 3 symetries: Also: use - Sphene o Q/area r Cylinder A Q/length Plane 5 Q/volume Super position: you can add F due to various objects. Written homework 1: point charges. Quiz? Consider of sheet of charge of +x1/25/Find F at P. Front View 000 E 007 pE.da = EL2.2

F =
$$\frac{\sigma}{260}$$

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Where $\sigma = \frac{Q}{A}$

The total U stored on capacitor

$$= \frac{1}{260}$$

$$= \frac{1}{2$$

Dielectric constants
usually Kappa K (unitless) E = KE. treplaces Es in all formuli Nat Cl K>1 Example: H H H H Charge