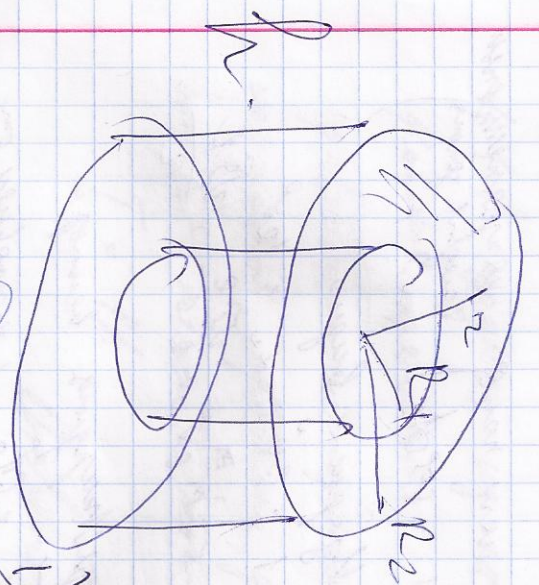


1)



$$Q = Q_1 \left( \frac{r_2}{R_1} \right)^2$$

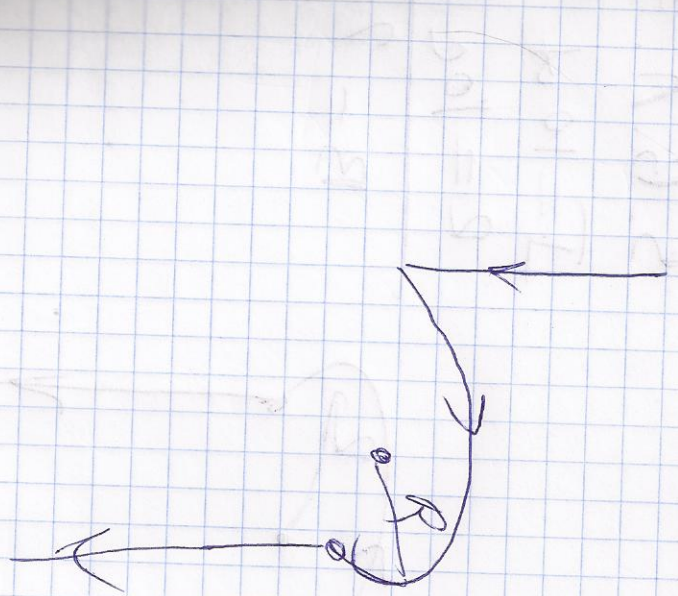
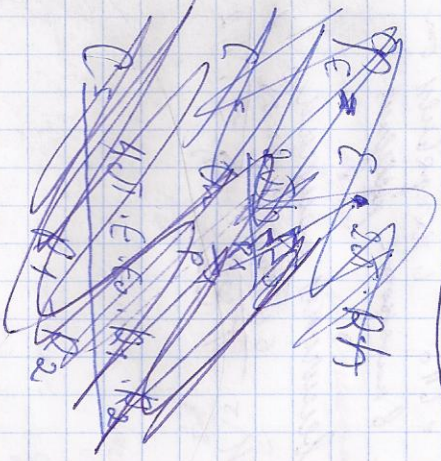
$$Q = ?$$

$$1) \oint D \cdot ds = \int \rho \, dV$$

$$2) E = \frac{1}{\epsilon_0} \frac{Q}{2\pi R L}$$

$$3) \int E \, dL = \Delta \phi$$

$$4) C = \frac{Q}{\Delta \phi}$$



2) Bogen  
 $I = 10A$   
 $R = 10cm$   
 $B = ?$