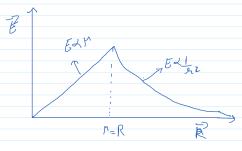
Applying Saus la

Let Consider a game and inside a horse at a distance (p)

Applying Fauss law how total change Godard = Q ,

$$\oint \vec{E} \cdot d\vec{n} = \underbrace{q_{o_1}}_{\xi_N} = P \underbrace{\vec{E}}_{\frac{1}{\sqrt{N}} \xi_0} r^{t}$$



for any field A divergence & a coul of I is like this

$$(\vec{v} \cdot (\vec{v} \cdot \vec{A})) = (\hat{i}_{1} \cdot \frac{1}{2} + \hat{i}_{2} \cdot \frac{1}{2} + \hat{i}_{2} \cdot \hat{i}_{2} + \hat{i}_{2} \cdot \hat{i}_{2}) \times (\hat{i}_{1} \cdot \hat{i}_{2} \cdot \hat{i}_{2} + \hat{i}_{2} \cdot \hat{i}_{2}) \times (\hat{i}_{2} \cdot \hat{i}_{2} \cdot \hat{i}_{2} \cdot \hat{i}_{2} \cdot \hat{i}_{2} \cdot \hat{i}_{2}) \times (\hat{i}_{1} \cdot \hat{i}_{2} \cdot \hat{i}_{2} \cdot \hat{i}_{2} \cdot \hat{i}_{2} \cdot \hat{i}_{2} \cdot \hat{i}_{2}) \times (\hat{i}_{1} \cdot \hat{i}_{2} \cdot \hat{i}_{2}$$

Herce provi

(i) 
$$UCCCC$$
 wite  $E \cdot Field(E) = -\nabla v = -A \frac{S}{SN} \left(\frac{e^{-A}}{N}\right) \hat{h} = -A \left[\frac{N(-A)}{N^2}e^{-AN}\right] \hat{h}$ 

$$= A e^{-AN} (1+AN) \frac{A}{N^2}$$

$$\frac{P}{E_0} = \overrightarrow{\nabla} \cdot \overrightarrow{B} \Rightarrow A e^{-A r} \left( 1 + r A \right) \overrightarrow{\nabla} \cdot \frac{r}{r} + A \overrightarrow{r} \cdot \overrightarrow{\nabla} e^{A r} \left( 1 + r A \right)$$

$$\frac{\int_{\Sigma_{0}} = A e^{-\lambda r} (1+r\lambda) (4 \times S(r^{2}) - A \int_{C}^{-\lambda r} d^{2}r}{r}$$

$$\int_{C} \int_{C} \int_{C$$

94) L) Given potential an infinite along y 2 Han, has potential with varies in x coordinate only a lit in 1-180 E=-dv & by know  $E=\frac{\sigma}{AE_0}\hat{n}$  blue  $\sigma$  is charge dusity of flote  $\frac{\pi}{AE_0}\hat{n}$  blue  $\sigma$  is charge dusity of flote  $\frac{\pi}{AE_0}\hat{n}$ 

The problem is in I-D lecour only or Coordinate will varies potalical