



Date: / / Face: WILLMAN

$$= \frac{f_0 R^3}{3\epsilon_0} \left(\frac{1}{R} - \frac{1}{\omega} \right) - \frac{f_0}{6\epsilon_0} \left(\frac{R^2 - R^2}{R^2} \right)$$

$$= \frac{f_0 R^3}{3\epsilon_0} \left(\frac{1}{R} - \frac{1}{\omega} \right) - \frac{f_0}{6\epsilon_0} \left(\frac{R^2 - R^2}{R^2} \right)$$

@ X >R

Substituting (2) = Ento (4) gaver

$$V(x) = \int E dx = -\int \partial R^2 \int dr = \int \partial R^3$$
3Eo $\int X^2$

