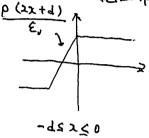
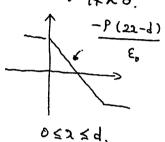
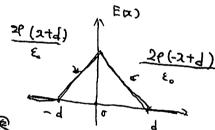
$$= \frac{1}{2} \varepsilon_{o} \left| \frac{\rho(22+d)}{\varepsilon_{o}} \right|^{2} \cdot d.$$







$$E(x) = \frac{2\ell(x+d)}{\xi_0}$$

$$E(x) = \frac{2\ell(-x+d)}{\xi_0}$$

$$V = \frac{R}{E} d^{2} \int_{0}^{\infty} E(x) dx \qquad V = -\int_{0}^{\infty} E(x) dx$$

$$A = -\int_{0}^{4} E(x) dx$$

$$= \frac{\rho}{\epsilon_0} d^2 + \frac{\rho}{\epsilon_0} d^2 = \frac{\rho}{\epsilon_0} d^2$$