

6)

$$V = \frac{u}{c} \rightarrow KE$$

(J)

$$\sim eV$$

8)

$$E = \frac{V}{d}$$

16 B Prob 16

$$E = kQ \frac{1}{r^2}$$

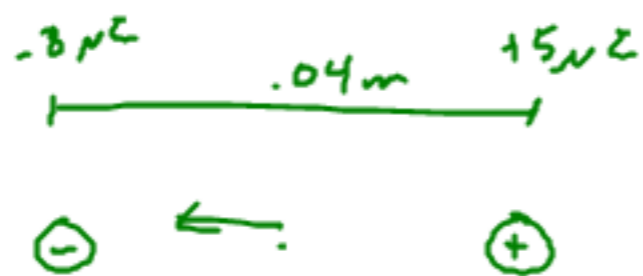


$$2(E \cos \theta)$$

$$\tan \theta = \frac{10}{5}$$

+Q

16B-10



$$\begin{aligned} E_T &= E_- + E_+ \\ &= k \frac{Q_-}{r^2} - k \frac{Q_+}{r^2} \end{aligned}$$

$$E_T = k \left[\frac{(8 \times 10^{-6})}{(.02)^2} + \frac{(5 \times 10^{-6})}{(.02)^2} \right]$$