$$E_{ret} = E_1 + E_2$$
=  $E_1 + E_2$ 

A 60

$$E_{ring} = -\frac{dV}{dz}$$

$$= -k \left( \frac{-\frac{1}{2}(2z)q}{(R^2 + z^2)^{3/2}} \right) = k \left( \frac{qz}{(R^2 + z^2)^{3/2}} \right)$$

Epoint = KQ Z2

 $Q = \frac{9z^3}{(R^2 + z^2)^{3/2}}$ 

$$= \frac{5.8 \times 10^{-7} \text{C} \times (0.73 \text{m})^3}{(0.71 + 0.73)^{3/2}} = 2.14 \times 10^{-7} \text{C} = [-210]$$

A STATE OF THE PARTY OF THE PAR