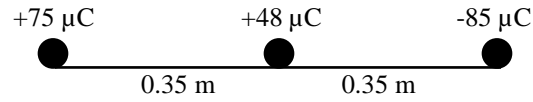




7. Particles of charge  $+75$ ,  $+48$ , and  $-85 \mu\text{C}$  are placed in a line (see figure below). The center one is  $0.35 \text{ m}$  from each of the others. Calculate the net force on each particle due to the other two.



8. A charge of  $6.00 \mu\text{C}$  is placed at two diagonal corners of a square and the other two diagonal corners have a charge of  $-6.00 \mu\text{C}$  with the length of  $0.100 \text{ m}$  on a side. Determine the magnitude and direction of the force on each charge.

