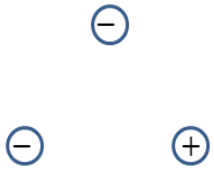
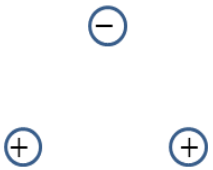
Solve each of the diagrams according to the instructions.

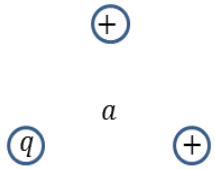
add arrow heads



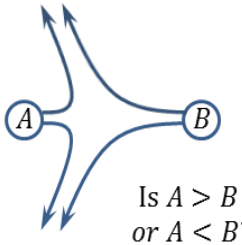
sketch field lines



sketch field lines

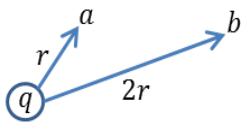


$E = 0$ at a. Is q + or − ?

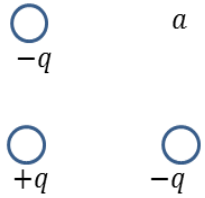


Is $A > B$
or $A < B$?

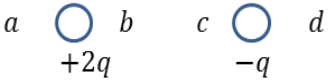
Is B + or − ?



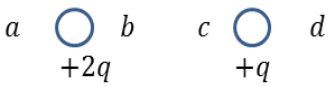
$E_b = 4N/C$. $E_a =$ ____



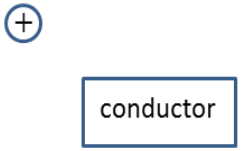
sketch vector $\vec{E}$ at a



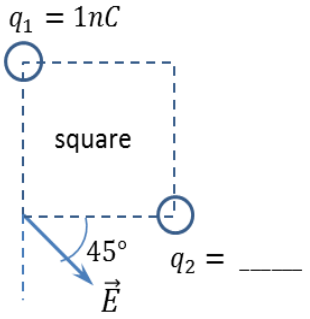
Is $E = 0$ *at* a, b, c *or* d ?

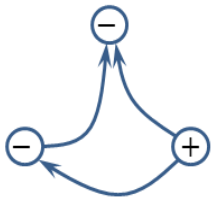


Is $E = 0$ *at* a, b, c *or* d ?

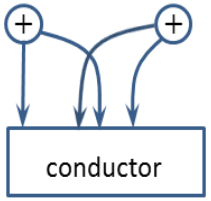


sketch field lines

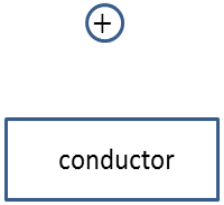




find one field error

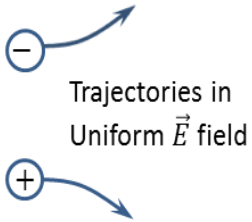


find one field error

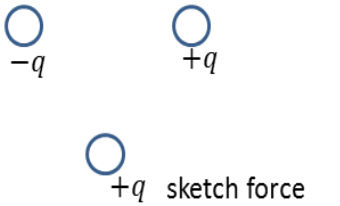


sketch charge distribution

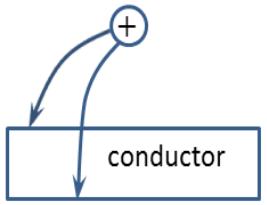
sketch field lines



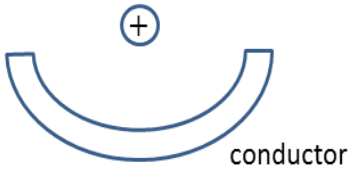
sketch direction
of uniform field



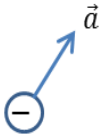
sketch force
on this charge



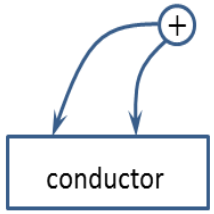
find one field error



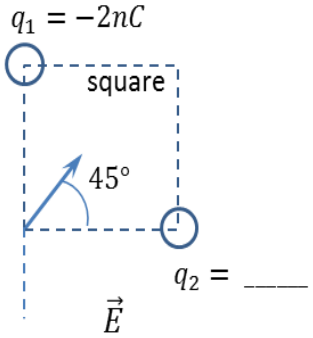
sketch field lines

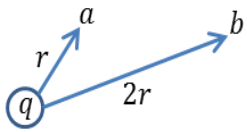


sketch direction
of uniform field

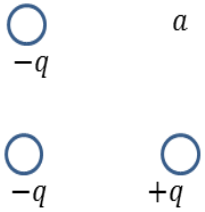


find one field error

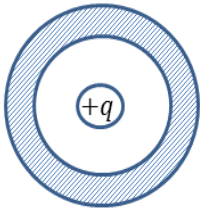




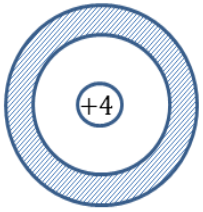
$E_a = 4N/C.$ $E_b =$ ____



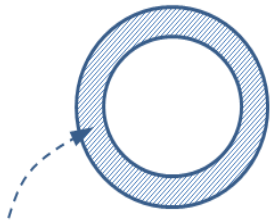
sketch vector $\vec{E}$ at a



sketch $\vec{E}_{outside}$ of neutral
hollow conductor



Find Q_{out} and Q_{in} on surfaces
of neutral hollow conductor



$Q = -3nC$ on hollow conductor
sketch $\vec{E}$ field inside hollow