

## Electric Potential and Potential Energy: Application (10)



The charged particles 1 and 2 move between the charged conducting plates  $A$  and  $B$  in opposite directions.

From the information given in the figure...

- (a) find the kinetic energy  $K_{1B}$  of particle 1,
- (b) find the charge  $q_2$  of particle 2,
- (c) find the direction and magnitude of the electric field  $\vec{E}$  between the plates.

