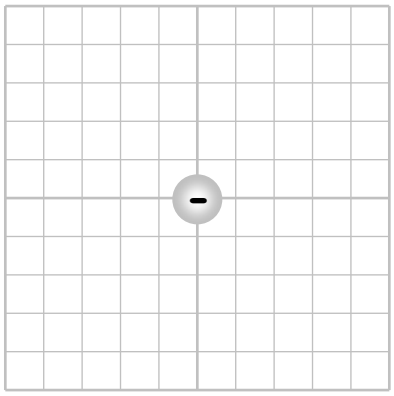
 Name _____

Quiz 2

1)[4] Draw the electric field lines and equipotential lines for an isolated negative point charge.

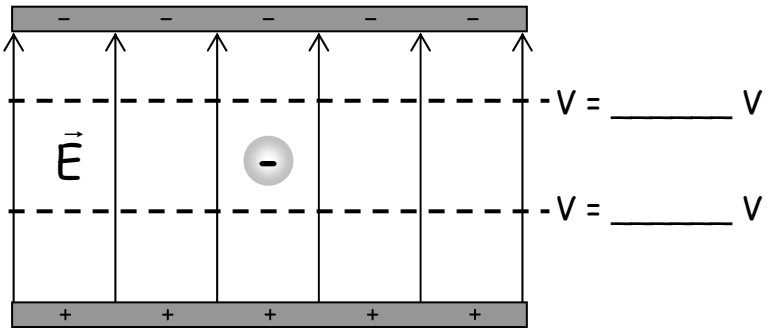


2)[6] If an electron moves from one point at a potential of 100.0 V to another point at a potential of 200.0 V,

a)[2] For the electric field shown, indicate the direction of motion for the electron and label the dashed equipotential lines shown.

b)[2] How much work is done by the electric field? Is it positive or negative? Why?

c)[2] What is the change in potential energy of the electron? Is it positive or negative? Why?



$$W = -\Delta U, \quad \Delta V = \frac{\Delta U}{q}$$