Electric Field Problem

1. Calculate the strength of the electric field 2 cm away from a charge of -2.4 nC.

Electron released from rest in an electric field

2. An electron is released from rest in an electric field E = 100 N/C
   a. Find the magnitude of the electrostatic force on the electron.
   b. Calculate the speed of the electron after it has moved 1m.

Electric Field Lines

3. Sketch the electric field lines around two point charges.