HW 1-2

Consider a uniform electric field E of strength 20,000 N/C. An electron is now injected perpendicularly into this field with a speed of 2×10^6 m/s.

- A) Describe in words the path the electron will follow.
- B) How far from its original line of travel will the electron be diverted after travelling 3 cm?
- C) Suppose instead that the electron had been injected parallel to the electric field. What shape path would it then follow?

