Keystone - Chapter 16: Electric Potential

The equipotential plot below shows several equipotential lines each labeled by its potential in volts. The distance between lines of the square grid represents 1.00 cm.
(a) Is the magnitude of the electric field bigger at A or B?
(b) Starting at point B, draw a path such that $\Delta V = +4$ V.
(c) Starting at point A, draw a path such that $\Delta V = 0$ V.
(d) What is the electric field at point B?
(e) Draw the representation of the electric field at each X below. Make sure the length of each electric field arrow represents the relative magnitude of the electric field at that point.

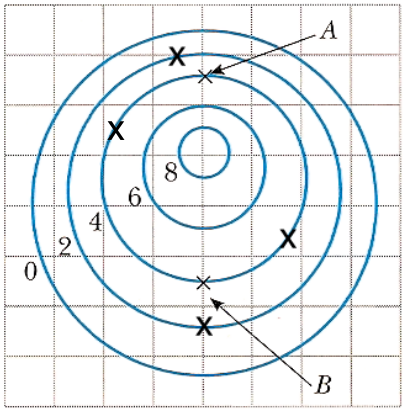


Figure 1: Equipotential Plot

Portions of this problem comes from Serway & Beichner (2000). Principles of Physics, 5th ed. p.801