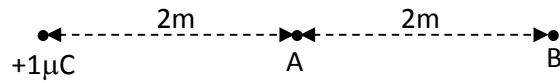PHY 232 Summer 2016 Class Work

Class 10. Electric Potential and Potential Energy

Consider a point charge of +1μC.   Given ε_0=8.8542×10^{-12} C^{2}m^{-2}N^{-1} and e= 1.6022×10^{-19} C.

(a)   What is the potential at point A?

(b)   What is the potential at point B?

(c)   If a proton of mass 1.6726×10^{-27}kg is released from rest at point A, what will be its speed at point B?