PP E– Potential Energy and Potential Difference

1. As a particles moves 10.0 m along an electric field of strength 75 N/C, its electrical potential energy decreases by 4.8 x 10-16 J. What is the particle ‘s charge.
2. What is the potential difference between the initial and final locations of the particles in problem 1?

1. An electron moves 4.5 m in the direction of an electric field of strength 325 N/C. Determine the change in electrical potential energy?