Physics 606   Homework #1   Spring '20
                                                                Dr. Drake

1. Jackson 1.4; 1.6(a),(b),(c); 1.9 (only for 1.6a)

2. Jackson 1.16

   Hint: Evaluate the initial and final energies as integrals over E^2 with $\mathbf{E} = -\nabla\phi$ where the initial potential is ϕ_i and the final potential is $\phi_i + \delta\phi$.