ACT/Preflight 24.2

A single electron is orbiting around a nucleus with charge +3. What is its ground state (n=1) energy? (Recall for charge +1, E= -13.6 eV)

1)   E = 9 (-13.6 eV)

2)   E = 3 (-13.6 eV)

3)   E = 1 (-13.6 eV)