

Homework 20 for October 1 2008

Due 8AM on October 2 2008

Physics 221 with Professor Jeff Terry

1. A parallel-plate capacitor is charged by and then disconnected from a battery. How does the stored energy change when the plate separation doubles?
2. Two capacitors in parallel have an equivalent total capacitance of 9.00 pF. When they are connected in series they have an equivalent total capacitance of 2.00 pF. What is the capacitance of each capacitor?