I. (3 points) The battery of a flashlight develops 4.5 V, and the current through the bulb is 200 mA. How much energy is dissipated in the bulb in a 15 minute period?

II. (3 points) An electric range has a constant current of 10 A entering the positive voltage terminal with a voltage of 115 V. Determine the cost of operating the range for one hour (assume electric energy costs 9 cents per kWh). Assume constant current and voltage.

III. (4 points) Circle the devices which are absorbing energy in the following figure.