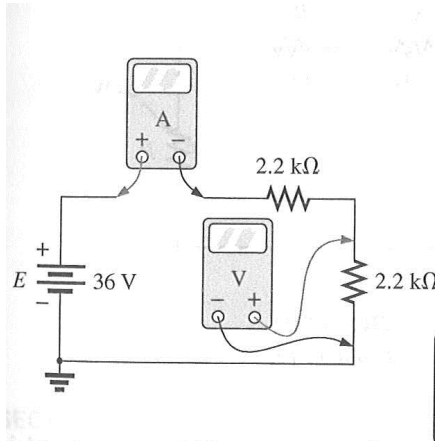


ENGG104 Tutorial 2 Class Questions

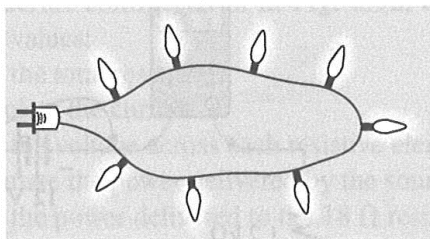
Team Name: _____

Question 1 [common exam question]



What will the Ammeter and Voltmeter Readings be for the circuit? (Hint: $V=IR$, and Voltage Divider Rule). Also take note of the polarities.

Question 2



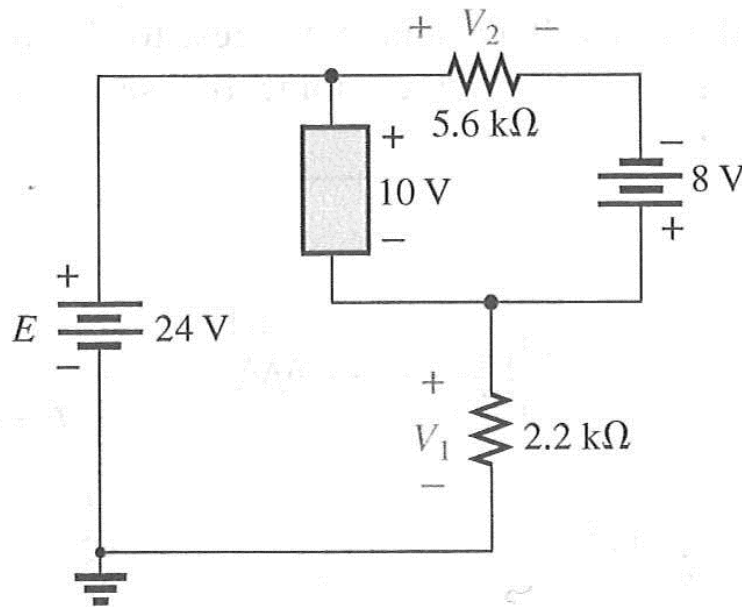
Eight holiday lights are connected in series as shown in Fig. 5.100.

- a. If the set is connected to a 120 V source, what is the current through the bulbs if each bulb has an internal resistance of $28\text{ }\Omega$?

[Hint: what is the total resistance?, then $V=IR$]

Question 3 [Past exam question]

Using KVL determine the unknown voltages [remember KVL states that the sum of voltages around a loop are equal to zero, hence write an equation for each loop]



Question 4 [Challenging problem]

Find all the unknown voltages [Recognise which branch has no current, KVL]

