**Assignment 2:**

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**Lecture Section: L06**

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**P2.5 -**

The equivalent resistance between the two terminals is 240 ohms.

**P2.8 -**

The equivalent resistance between the two terminals is 18 ohms.

When **c** and **d** are connected the equivalent resistance is 10 ohms.

**P2.25 -**

KVL Equivalent Loop:

KVL final Loop:

Based on KVL equations and

**P2.27 -**

Based on equivalent resistors and KVL and KCL the calculated results are:

We used current and voltage division calculations in order to figure out how much current or voltage would be present in certain circuit elements.

**P2.36 -**

KVL Loop:

Ohm’s Law :

Ohm’s Law :

Ohm’s Law :

Ohm’s Law :

The three voltages are **, ,**

**P2.39 -**

Using the current division method to calculate , it is equal to 15 mA.