

**PSP:** This assignment is designed to test your understanding of the current chapter's content. You will be required to solve the problem AND briefly explain your solution using the model provided. Answering the question without explanation will result in a grade of 20% for the assignment.

- 1) There are 4 possible circuits that can be created from 3 resistors. [Note: Use the circuits from class notes to guide your efforts] Create these four circuits, each with a 10V battery and three,  $25\Omega$  resistors. For each circuit, ...
  - 1) Determine the total equivalent resistance and the current coming from the battery
  - 2) Write the Kirchoff's Law Equations for these circuits.
  - 3) Find Current, Voltage and Power for each resistor.