Name: _____
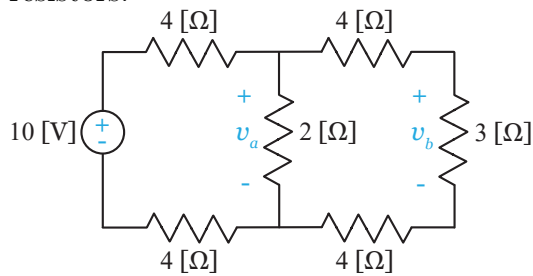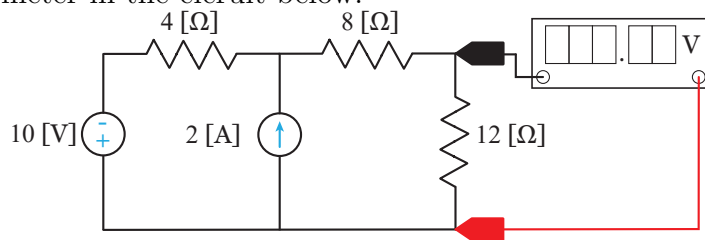
Problem #1

(25 pts.) Using only KVL/KCL/Ohm's law, determine the voltage drop across the 2 [Ω] resistor, V_a, the 3 [Ω] resistor, as well as the currents flowing through the 2 and 3 [Ω] resistors.

Problem #2

(30 pts.) Using only KVL/KCL/Ohm's law, determine the voltage measured by the voltmeter in the cicruit below.

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Problem #3

(35 pts.) Given the schematic below, using only KVL/KCL/Ohm's law, determine the numeric values of V_a and i_a.