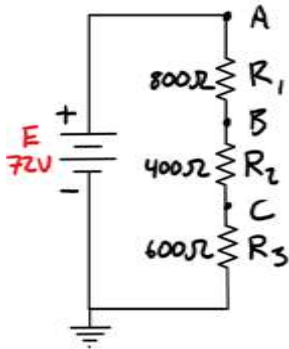


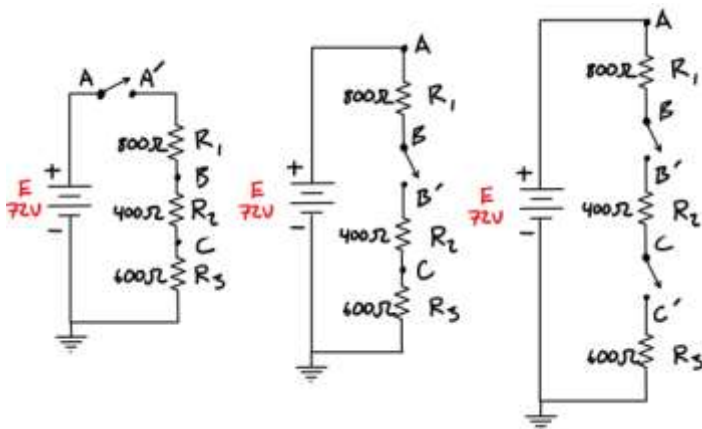
Switches in Series DC Circuits (21:12)

Determine the voltage drop across, the current through, and the power dissipated by each individual element in this system. Additionally, solve for source current and total power. Finally, determine V_A , V_B , and V_C with respect to ground.



Discuss how an open in a series circuit influences electrical properties for that system.

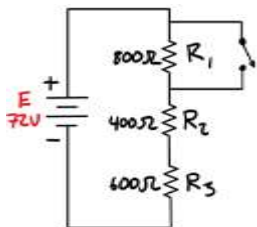
Given open switches in the indicated locations determine the electrical properties of this system.



Compare and contrast high and low side switching.

Discuss how a short in a series circuit influences electrical properties for that system.

Given a switch in the indicated location determine the electrical properties of this system in the open and closed state.



Determine the voltage drop across, the current through, and the power dissipated by each individual element in this system for 3 different scenarios:

scenario 1 – both switches are open

scenario 2 – SW1 is closed, SW2 is open

scenario 2 – both switches are closed

