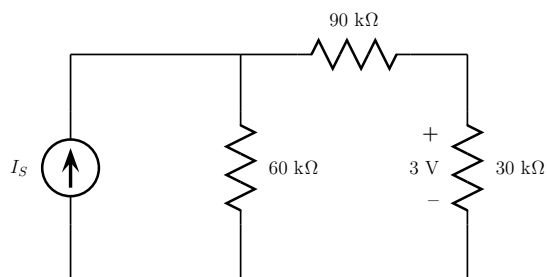


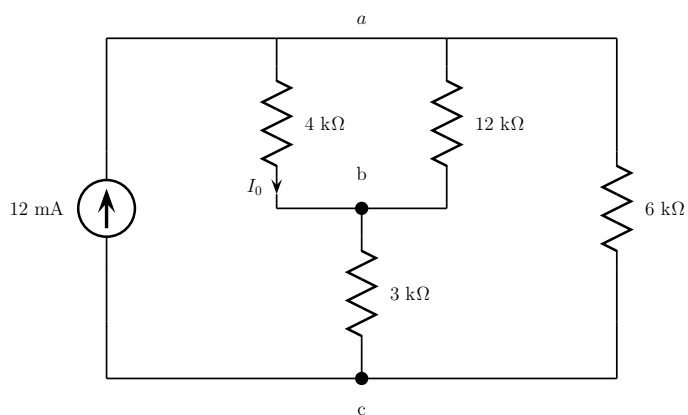
Preparation for Circuits

Concept Questions: Current and Voltage Division

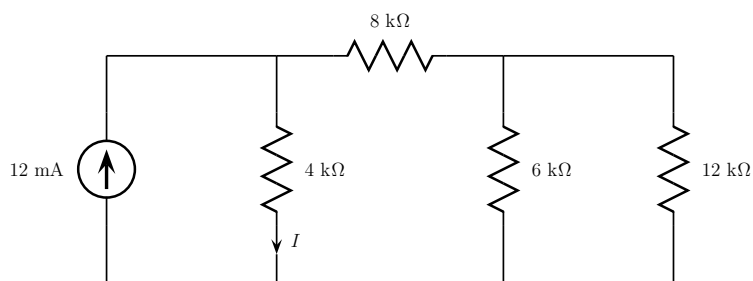
1. Find I_S .



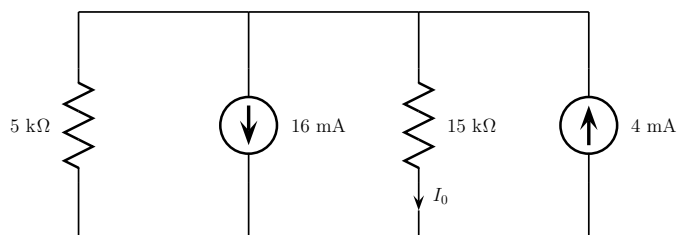
2. Find I_0 .



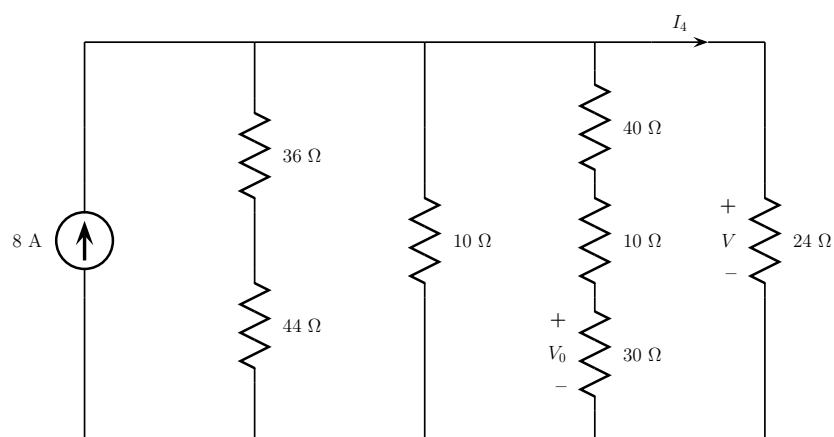
3. Find I .



4. Find I_0 .



5. Find V_0 and I_4 .



6. In the voltage-divider circuit shown below, the no-load value of V_0 is 4 V. When the load resistance R_L is attached across the terminals a and b , V_0 drops to 3 V. Find R_L .

