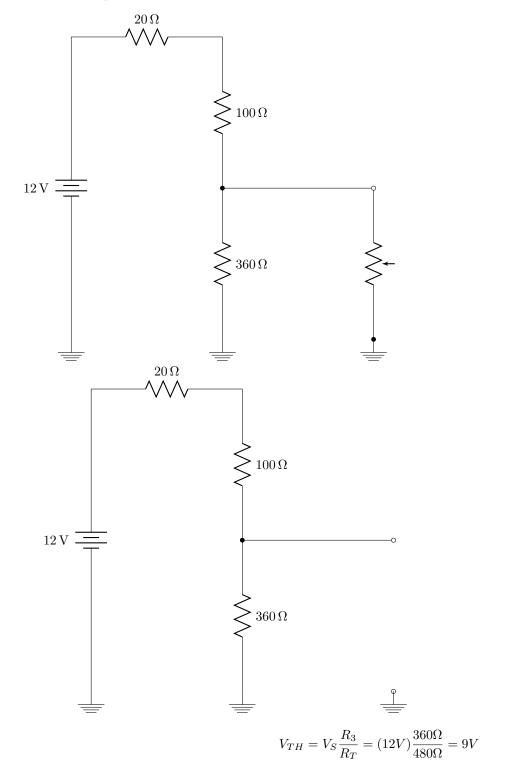
1 Thevenin's Theorem

Theorem: Any resistive network or circuit can be represented as a voltage source in series with a source resistance. This helps predict how the circuit will respond to a change in load.

1.1 Thevenin Voltage

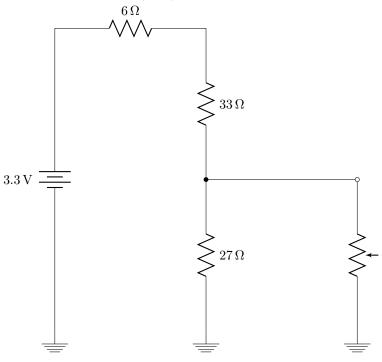
The Thevenin Voltage (V_{TH}) of a circuit is the voltage present at the output terminal when the load is removed.

1.1.1 Example



1.1.2 Problem

Find the Thevenin Voltage (V_{TH}) of the circuit below:



1.2 Thevenin Resistance

THe Thevenin Resistance (R_{TH}) is the ressitance measured across the output terminals when the load is removed. To determine this circuit we will also note the voltage source will be replaced by a wire.

1.2.1 Example