A lamp carries a current of 2A when connected to a 3V battery. Find the power absorbed or supplied by each element.
A certain battery can be modeled as a Thevenin equivalent with a 9V source and a 10Ω equivalent internal resistance. If the battery is (accidentally) shorted, what will be the power dissipation in the internal resistance?
Find the unknown voltage $v_U$ in the circuit below.
Find the unknown current in the circuit below.
Find the unknown voltages in the circuit below.

![Circuit Diagram](image-url)
In the circuit below, find the voltage across each resistor.

In the circuit below, find the current in the 10V source.
In the circuit below, find the current in each resistor.

In the circuit below, find the current in the 1V source.