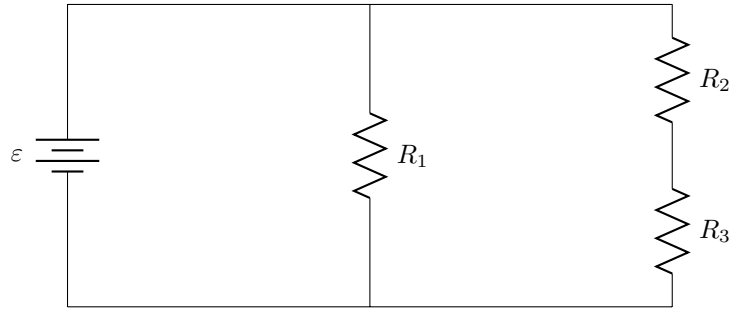# Quiz 6

In the following diagram: $R_1 = 10\ \Omega$, $R_2 = 10\ \Omega$, and $R_3 = 5\ \Omega$. The battery emf $\varepsilon = 3.0$ V.

1. Find the currents I_1, I_2, I_3 through each resistor

2. Find the potential difference ΔV across each resistor

3. Find the power dissipated through each resistor