Quiz 7

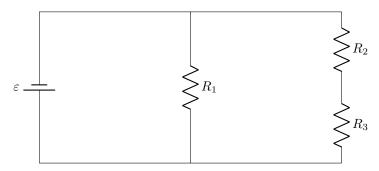
The following information may or may not be of use:

Ohm's Law: $I = \frac{\Delta V}{R}$

Electrical Resistance: $R = \frac{L}{\sigma A}$

Power: $P = I\Delta V$

In the following diagram: $R_1=100~\Omega,~R_2=100~\Omega,$ and $R_3=220~\Omega.$ The battery emf $\varepsilon=3.0~\mathrm{V}.$



- 1. Find the currents I_1, I_2, I_3 through each resistor
- 2. What is the power output of the battery?