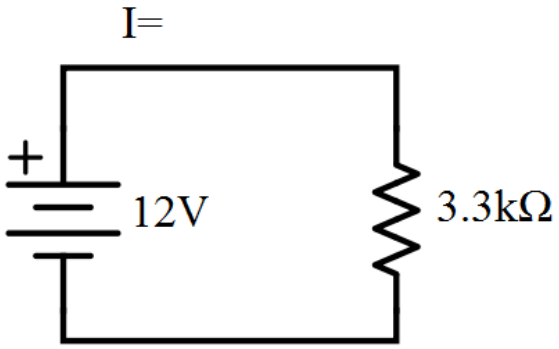
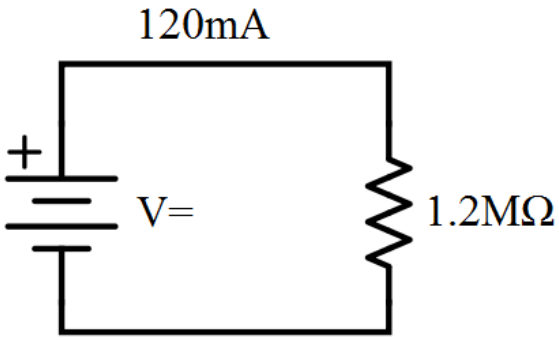
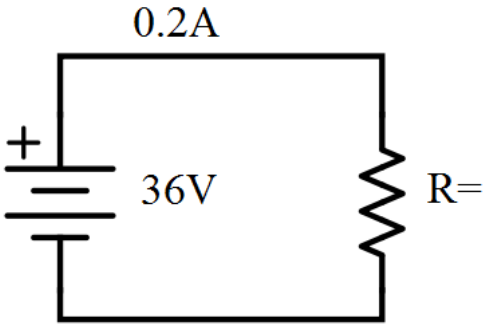
EN-3212 Electronics

Review Part 1

Find the missing value for each of the following circuits using Ohm's law. Calculate the power output for each resistor.







EN-3212 Electronics

Review Part 1

The resistors in the following circuit are in (series / parallel).

That means that the (current through / voltage drop across) each element is the same.

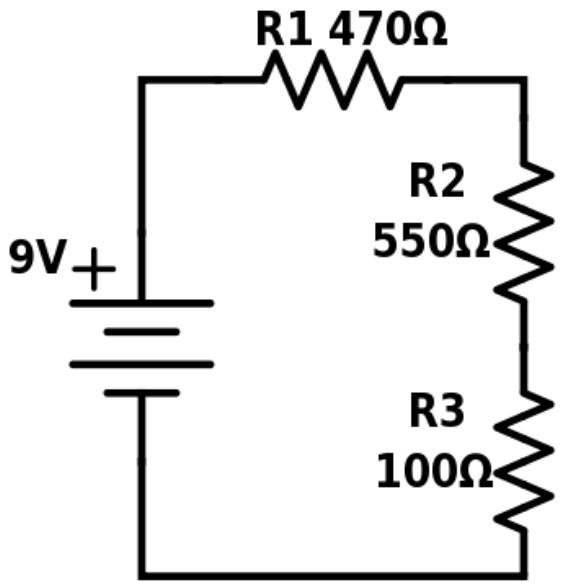
Calculate the equivalent resistance of the resistive elements in the circuit.

Use Ohm's law to calculate the current going through each element.

Use Ohm's law to calculate the voltage drop across each element.

Use the voltage divider rule to calculate the voltage drop across each element.

Calculate the power output by each resistor.



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