

Problem Set 1:

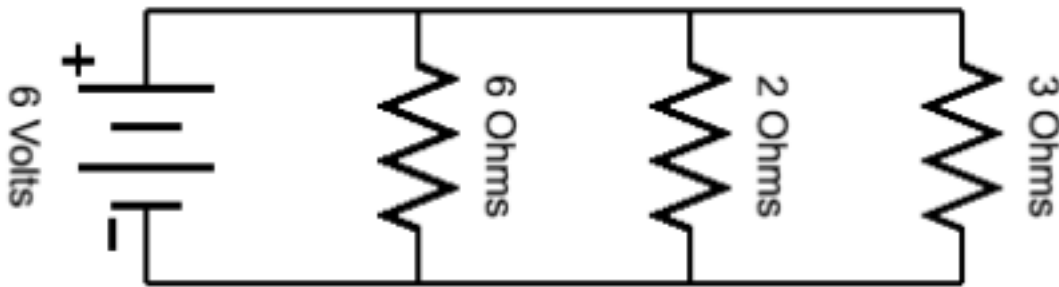
This is a *graded homework assignment*.

I will grade the questions for correctness, as well as for completion.

You can work on this as much as you like at home.

You may work on it with a friend, however, anything that you turn in must be either in *your* handwriting or *your* typing.

The first problem set has only one question!



Solve the circuit on the previous page by filling out the following table. [5 points]

	A	B	C	Total
Potential Difference (V)				
Current (A)				
Resistance (Ω)				
Power (W)				

Find any **three** boxes on the table that are equal. Explain why those boxes have *equal* numbers by referring to what you know about series and parallel circuits. [3 points]

Then, find any **three** boxes on the table that add up to the value of fourth box. Explain why those three boxes add up to the fourth by referring to what you know about series and parallel circuits. [2 points]