

Simple Circuit Practice Quiz

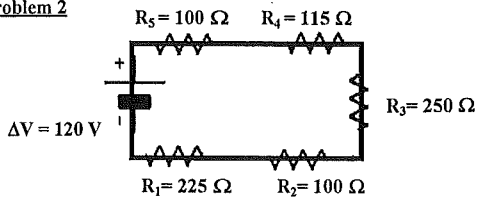
Name: _____ Hr. _____

You need to show your work

Problem 1

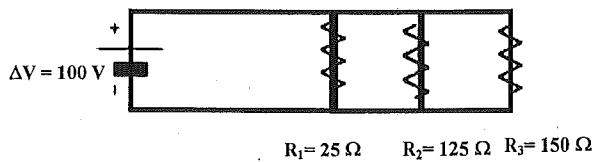
- 1a) What are the units of resistance, current and voltage? _____
- 1b) What are the definitions for resistance, current and voltage? _____

Problem 2



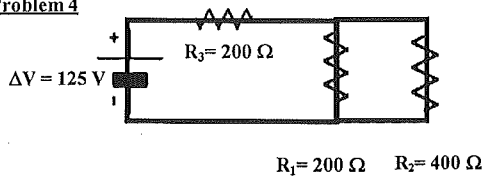
- 2) Which direction does the current flow: clockwise or counterclockwise
- Which type of circuit is this? _____
- What is the total resistance of the circuit? _____
- What is the total current of the circuit? _____
- What is the voltage drop for R_4 ? _____

Problem 3



- 3) What is the total resistance of the circuit? _____
- What is the total current of the circuit? _____
- What is the voltage drop for R_3 ? _____
- What is the current through R_1 ? _____

Problem 4



- 4) What is the total resistance in the circuit? _____
- What is the current through R_1 = _____
- What is the current through R_2 = _____
- What is the current through R_3 = _____
- What is the voltage drop across R_1 = _____
- What is the voltage drop across R_2 = _____
- What is the voltage drop across R_3 = _____