

Midterm1 Rubric:

**Problem 1:**

Recognizing series resistors	7 points
Using correct formula for series resistors	3 points
Recognizing parallel resistors	7 points
Using correct formula for parallel resistors	3 points
Final answer	5 points

**Problem 2:**

KVL at left loop	8 points
KCL	6 points
Ohms Law	4 points
Replacement of current into KVL formula and calc.	2 points
Final answers	5 points

**Problem 3:**

Calculation of $V_0$	5 points (1 point for sign)
Calculation of dependent source current	5 points (1 point for sign)
Calculation of $V_1$	10 points (2 points for sign)

**Problem 4:**

Power formula	3 points
Each entry in the table	4 points (24 points total)
Bulb brightness	3 points