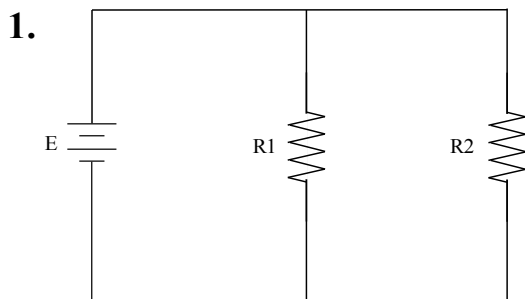# Parallel Circuit Task Sheet #1

Meets ASE Task: (A6-A-2) P-1 Diagnose Electrical/Electronic Integrity for Series, Parallel, and Series-Parallel Circuits Using Principles of Electricity (Ohm's Law).
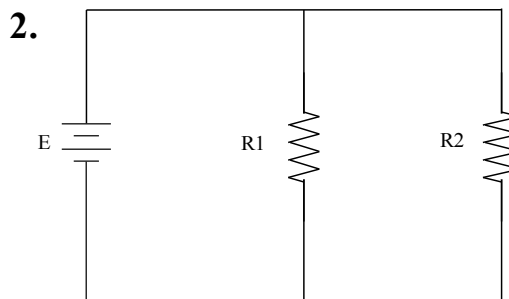
Name _____ **Date** _____ **Time on Task** _____
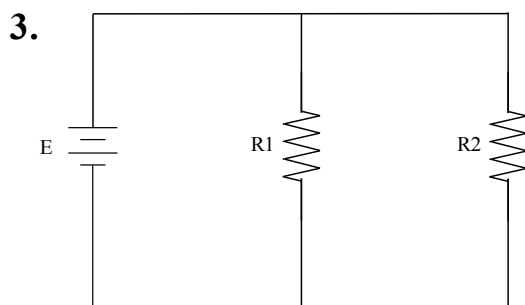
Make/Model/Year _____ **VIN** _____ **Evaluation:** 4 3 2 1

1.

E = 12 volts   R1 = 4 ohms
I_T = _____   R2 = 4 ohms

2.

E = 12 volts   R1 = 6 ohms
I_T = 4 amperes   R2 = _____

3.

E = 12 volts   R1 = 12 ohms
I_T = _____   R2 = 12 ohms

4.
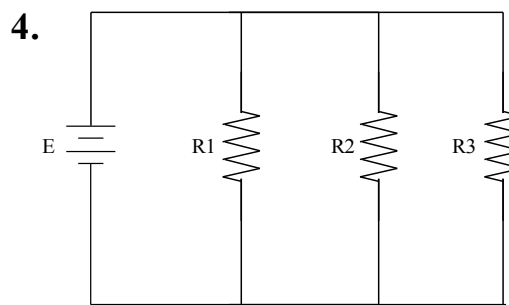
E = 12 volts   R2 = 4 ohms
I_T = _____   R3 = 2 ohms
R1 = 4 ohms

5.
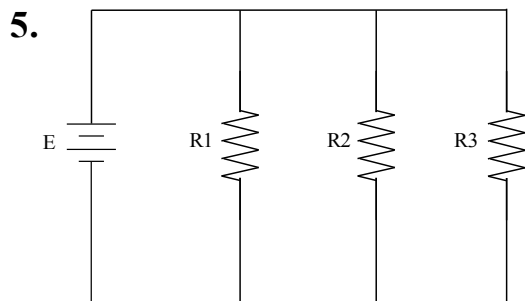
E = _____   R2 = 4 ohms
I_T = 12 amperes   R3 = 4 ohms
R1 = 2 ohms

6.
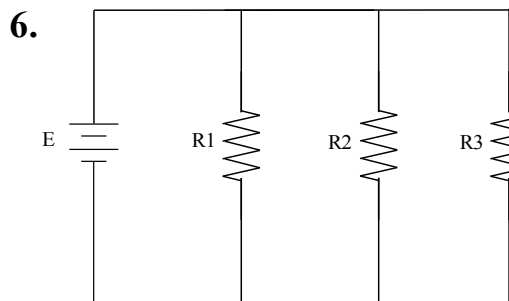
E = 12 volts   R2 = _____
I_T = 12 amperes   R3 = 2 ohms
R1 = 4 ohms