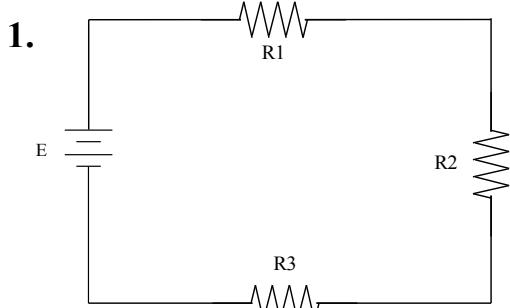


Series Circuit Worksheet #2

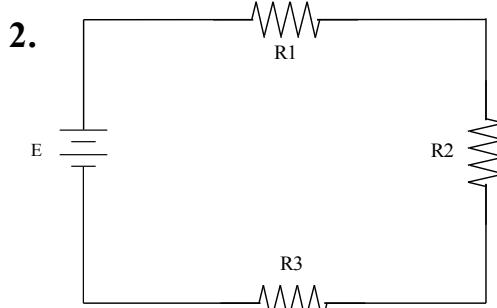
Meets ASE Task: (A6-A-2) Diagnose electrical/electronic integrity for series, parallel, and series-parallel circuits using principles of electricity. (Ohm's Law). (P-1)

Name _____ Date _____ Time on Task _____

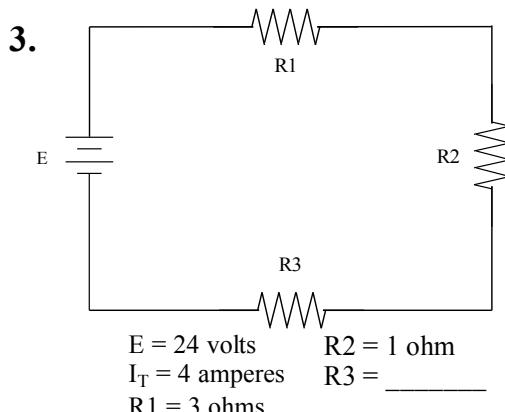
Make/Model/Year _____ VIN _____ Evaluation: 4 3 2 1



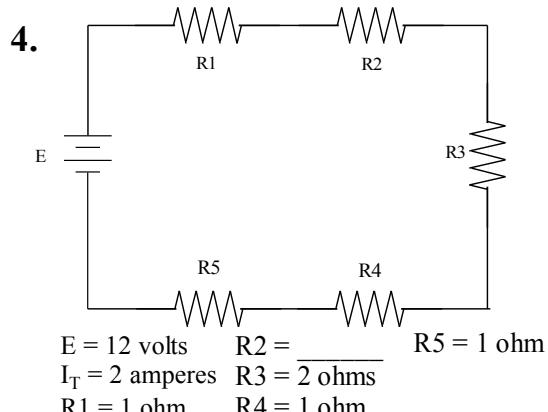
$$\begin{aligned} E &= \underline{\hspace{2cm}} \\ I_T &= 8 \text{ amperes} \\ R1 &= 1 \text{ ohm} \end{aligned}$$



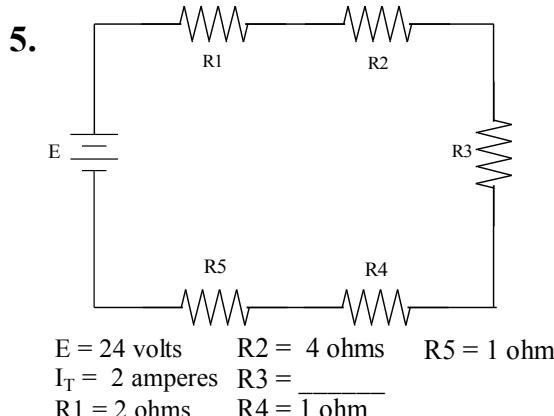
$$\begin{aligned} E &= 24 \text{ volts} \\ I_T &= \underline{\hspace{2cm}} \\ R1 &= 2 \text{ ohms} \end{aligned}$$



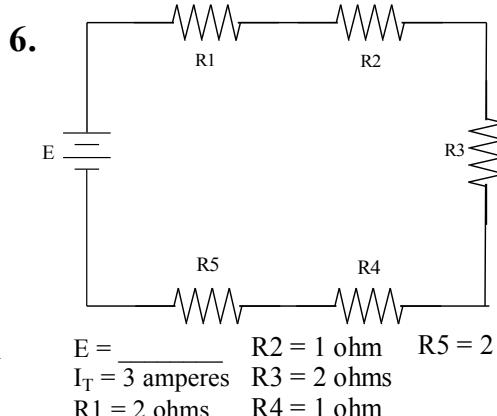
$$\begin{aligned} E &= 24 \text{ volts} \\ I_T &= 4 \text{ amperes} \\ R1 &= 3 \text{ ohms} \end{aligned}$$



$$\begin{aligned} E &= 12 \text{ volts} \\ I_T &= 2 \text{ amperes} \\ R1 &= 1 \text{ ohm} \end{aligned}$$



$$\begin{aligned} E &= 24 \text{ volts} \\ I_T &= 2 \text{ amperes} \\ R1 &= 2 \text{ ohms} \end{aligned}$$



$$\begin{aligned} E &= \underline{\hspace{2cm}} \\ I_T &= 3 \text{ amperes} \\ R1 &= 2 \text{ ohms} \end{aligned}$$