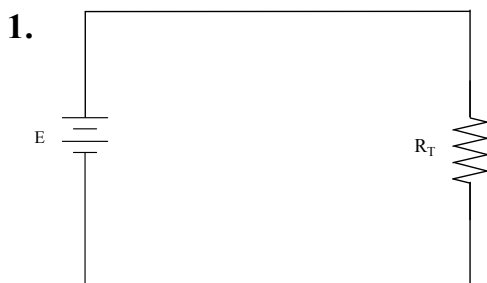


Series Circuit Worksheet #1

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 _____

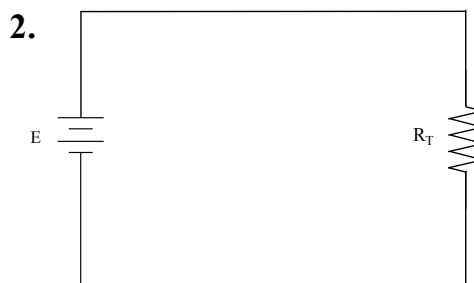
Make/Model/Year _____ VIN _____ Evaluation: 4 3 2 1



$$E = 12 \text{ volts}$$

$$I_T = 3 \text{ amperes}$$

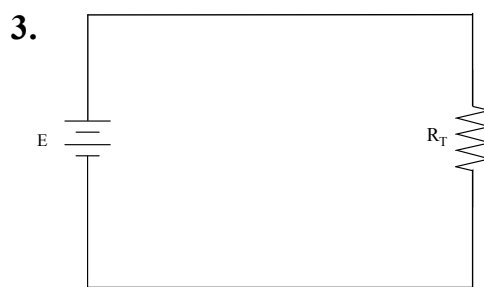
$$R_T = \underline{\hspace{2cm}}$$



$$E = 12 \text{ volts}$$

$$I_T = \underline{\hspace{2cm}}$$

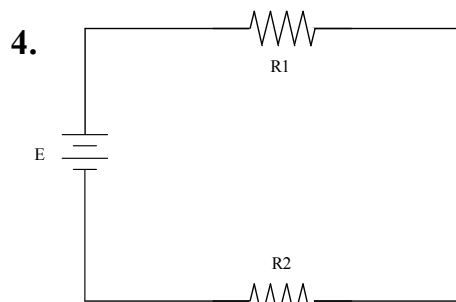
$$R_T = 3 \text{ ohms}$$



$$E = \underline{\hspace{2cm}}$$

$$I_T = 3 \text{ amperes}$$

$$R_T = 4 \text{ ohms}$$

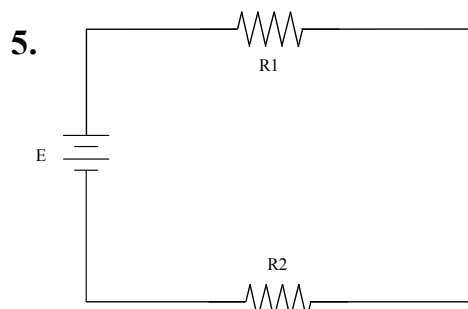


$$E = 12 \text{ volts}$$

$$I_T = \underline{\hspace{2cm}}$$

$$R_1 = 1 \text{ ohm}$$

$$R_2 = 1 \text{ ohm}$$

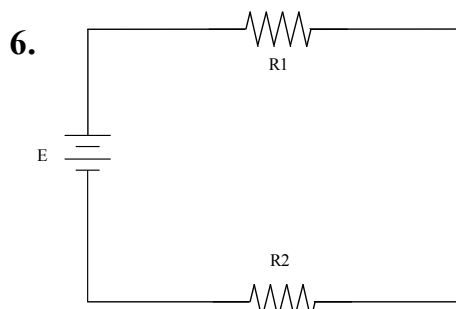


$$E = \underline{\hspace{2cm}}$$

$$I_T = 2 \text{ amperes}$$

$$R_1 = 3 \text{ ohms}$$

$$R_2 = 3 \text{ ohms}$$



$$E = 12 \text{ volts}$$

$$I_T = 3 \text{ amperes}$$

$$R_1 = 3 \text{ ohms}$$

$$R_2 = \underline{\hspace{2cm}}$$