

# Parallel Circuit Worksheet #2

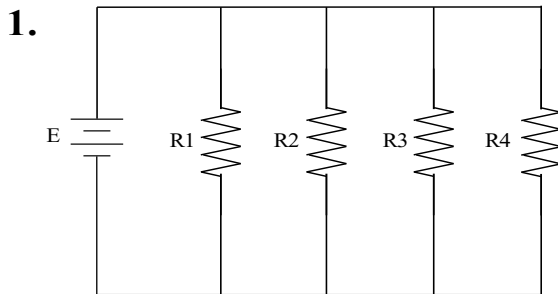
Meets ASE Task: A6 – A-4 – P-1

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Time on Task: \_\_\_\_\_

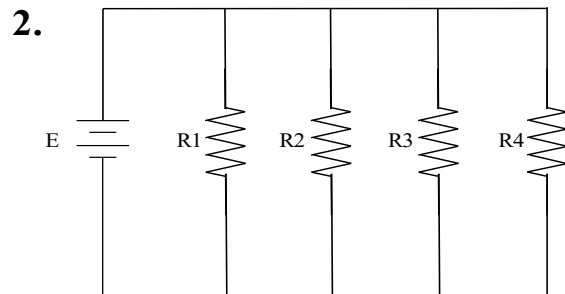
Make/Model/Year: \_\_\_\_\_ VIN: \_\_\_\_\_

Evaluation (Enter number from 4, 3, 2, 1) : \_\_\_\_\_

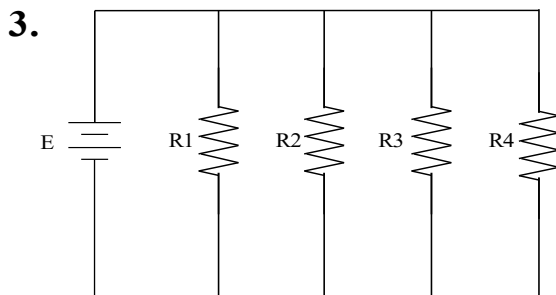
1. Determine the missing value for each parallel circuit.



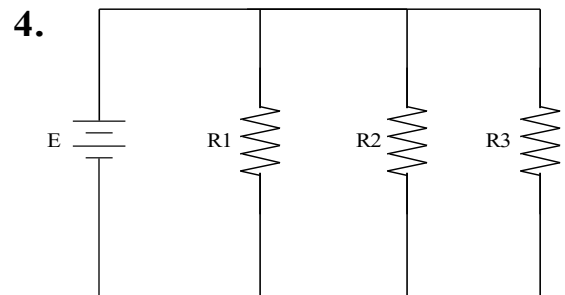
$$\begin{array}{ll} E = 12 \text{ volts} & R1 = 4 \text{ ohms} \\ I_T = \underline{\hspace{1cm}} & R2 = 12 \text{ ohms} \\ R1 = 4 \text{ ohms} & R4 = 12 \text{ ohms} \end{array}$$



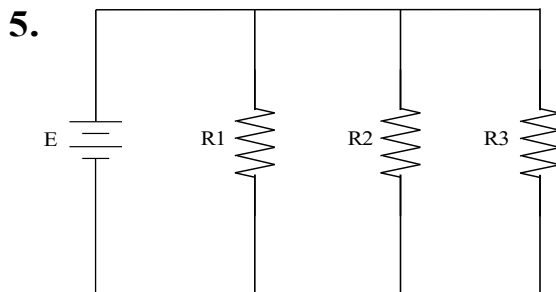
$$\begin{array}{ll} E = \underline{\hspace{1cm}} & R1 = 12 \text{ ohms} \\ I_T = 4 \text{ amperes} & R2 = 12 \text{ ohms} \\ R1 = 12 \text{ ohms} & R3 = 12 \text{ ohms} \end{array}$$



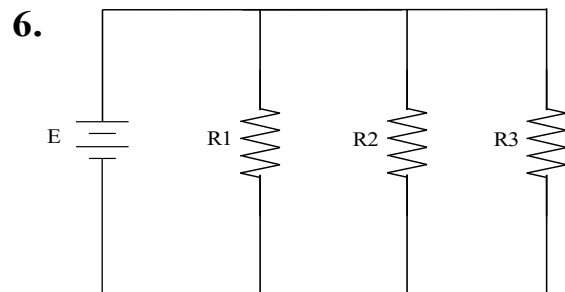
$$\begin{array}{ll} E = \underline{\hspace{1cm}} & R2 = 4 \text{ ohms} \\ I_T = 1 \text{ ampere} & R3 = 6 \text{ ohms} \\ R1 = 2 \text{ ohms} & R4 = 12 \text{ ohms} \end{array}$$



$$\begin{array}{ll} E = 12 \text{ volts} & R2 = 8 \text{ ohms} \\ I_T = \underline{\hspace{1cm}} & R3 = 4 \text{ ohms} \\ R1 = 8 \text{ ohms} & \end{array}$$



$$\begin{array}{ll} E = 12 \text{ volts} & R2 = 12 \text{ ohms} \\ I_T = 4 \text{ amperes} & R3 = \underline{\hspace{1cm}} \\ R1 = 12 \text{ ohms} & \end{array}$$



$$\begin{array}{ll} E = \underline{\hspace{1cm}} & R2 = 24 \text{ ohms} \\ I_T = 2 \text{ amperes} & R3 = 12 \text{ ohms} \\ R1 = 24 \text{ ohms} & \end{array}$$