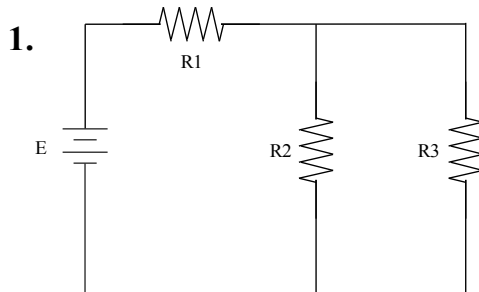


Series-Parallel Circuit Worksheet #1

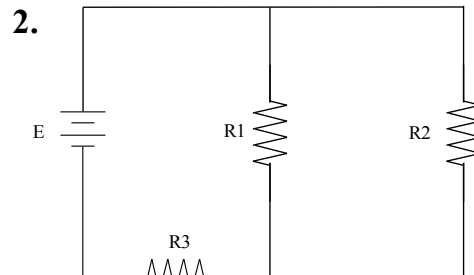
Meets NATEF Task: (A6-A-2) Diagnose Electrical/Electronic Integrity for Series, Parallel, and Series-Parallel Circuits Using Principles of Electricity (Ohm's Law).

Name _____ Date _____ Time on Task _____

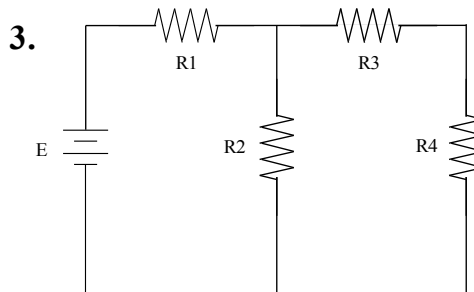
Make/Model/Year _____ VIN _____ Evaluation: 4 3 2 1



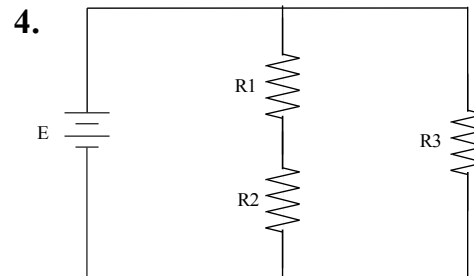
$E = 12$ volts $R2 = 4$ ohms
 $I_T = 3$ amperes $R3 = 4$ ohms
 $R1 =$ _____



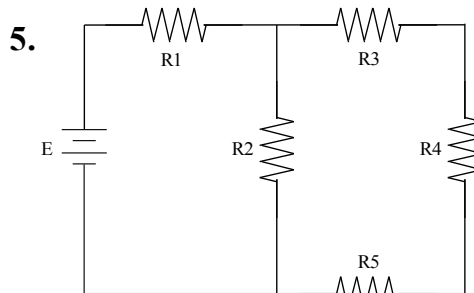
$E = 12$ volts $R2 = 4$ ohms
 $I_T = 3$ amperes $R3 =$ _____
 $R1 = 4$ ohms



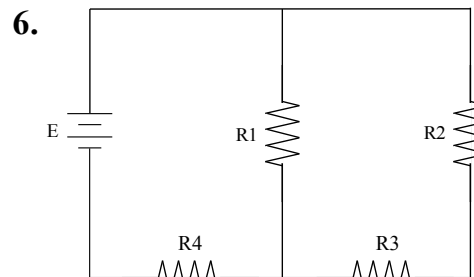
$E = 12$ volts $R2 = 4$ ohms
 $I_T =$ _____ $R3 = 2$ ohms
 $R1 = 2$ ohms $R4 = 2$ ohms



$E =$ _____ $R2 = 4$ ohms
 $I_T = 3$ amperes $R3 = 8$ ohms
 $R1 = 4$ ohms



$E = 12$ volts $R3 = 2$ ohms
 $I_T =$ _____ $R4 = 4$ ohms
 $R1 = 2$ ohms $R5 = 2$ ohms
 $R2 = 8$ ohms



$E = 12$ volts $R2 = 6$ ohms
 $I_T =$ _____ $R3 = 6$ ohms
 $R1 = 12$ ohms $R4 = 2$ ohms