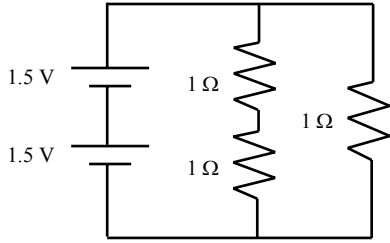
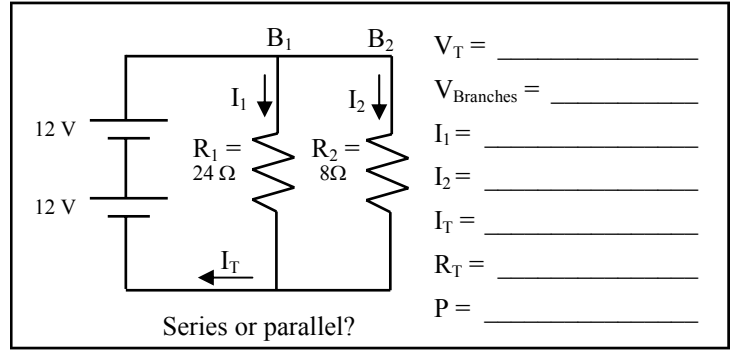


Name: \_\_\_\_\_

Period: \_\_\_\_\_



How many branches does it have?  
Label the branches.  
Circle any junctions you see.  
What's the total voltage?

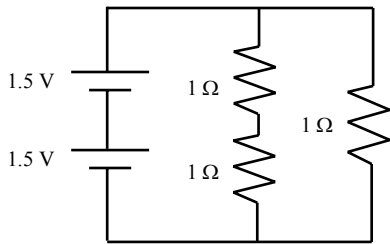


$V_T =$  \_\_\_\_\_  
 $V_{\text{Branches}} =$  \_\_\_\_\_  
 $I_1 =$  \_\_\_\_\_  
 $I_2 =$  \_\_\_\_\_  
 $I_T =$  \_\_\_\_\_  
 $R_T =$  \_\_\_\_\_  
 $P =$  \_\_\_\_\_

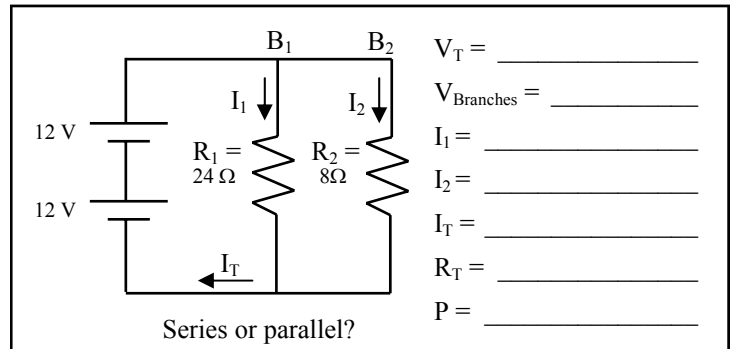
Work on back

Name: \_\_\_\_\_

Period: \_\_\_\_\_



How many branches does it have?  
Label the branches.  
Circle any junctions you see.  
What's the total voltage?

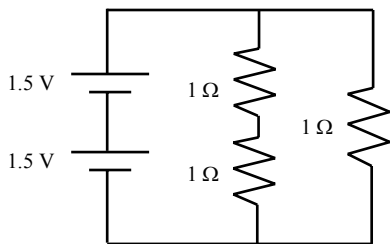


$V_T =$  \_\_\_\_\_  
 $V_{\text{Branches}} =$  \_\_\_\_\_  
 $I_1 =$  \_\_\_\_\_  
 $I_2 =$  \_\_\_\_\_  
 $I_T =$  \_\_\_\_\_  
 $R_T =$  \_\_\_\_\_  
 $P =$  \_\_\_\_\_

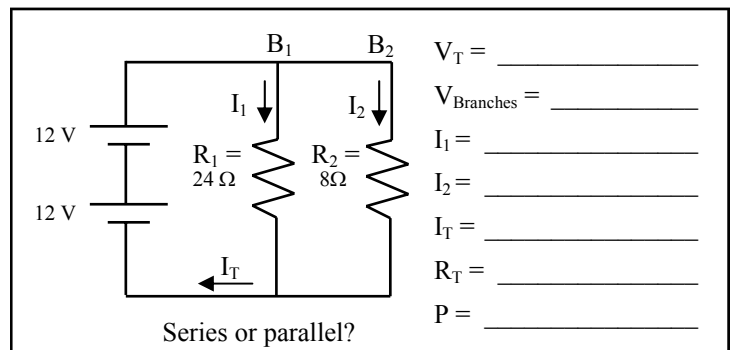
Work on back

Name: \_\_\_\_\_

Period: \_\_\_\_\_



How many branches does it have?  
Label the branches.  
Circle any junctions you see.  
What's the total voltage?



$V_T =$  \_\_\_\_\_  
 $V_{\text{Branches}} =$  \_\_\_\_\_  
 $I_1 =$  \_\_\_\_\_  
 $I_2 =$  \_\_\_\_\_  
 $I_T =$  \_\_\_\_\_  
 $R_T =$  \_\_\_\_\_  
 $P =$  \_\_\_\_\_

Work on back

**Don't forget the front side**

Describe how a fuse works.

If a 120 volt circuit has 40 amps flowing thru it, find power.

How is a fuse different than a circuit-breaker?

Do all the electrons in a circuit come from the battery?  
Why or why not?

How are they the same?

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