

Name \_\_\_\_\_ Hour \_\_\_\_\_

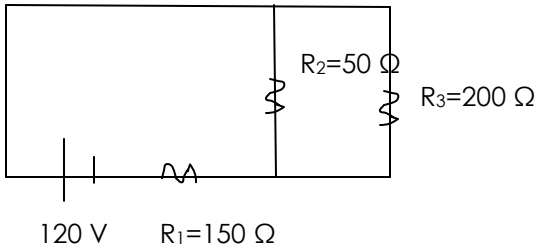
## Circuit Review

Which way from a battery does the current flow? \_\_\_\_\_

What is a series circuit? \_\_\_\_\_

What is a parallel circuit? \_\_\_\_\_

1. Find the  $R_{eq}$ , total current, and current through and voltage drop for each resistor.



$R_{eq} =$  \_\_\_\_\_

Total I = \_\_\_\_\_

\_\_\_\_\_  $\Delta V_1$      \_\_\_\_\_  $\Delta V_2$      \_\_\_\_\_  $\Delta V_3$

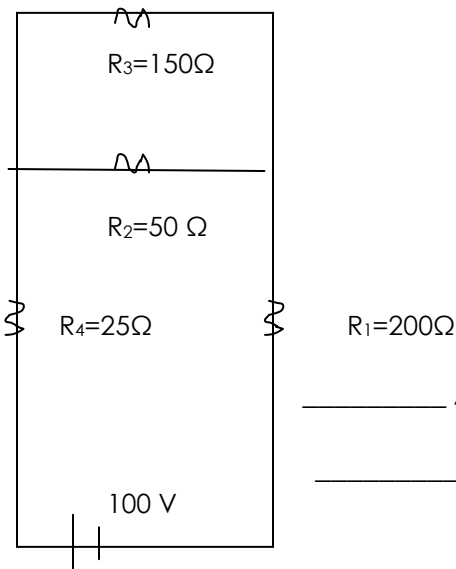
\_\_\_\_\_  $I_1$      \_\_\_\_\_  $I_2$      \_\_\_\_\_  $I_3$

The units of resistance are: \_\_\_\_\_

The units of voltage are: \_\_\_\_\_

The units of current are: \_\_\_\_\_

2. Find the  $R_{eq}$ , total current, and current through and voltage drop for each resistor.



$R_{eq} =$  \_\_\_\_\_

Total I = \_\_\_\_\_

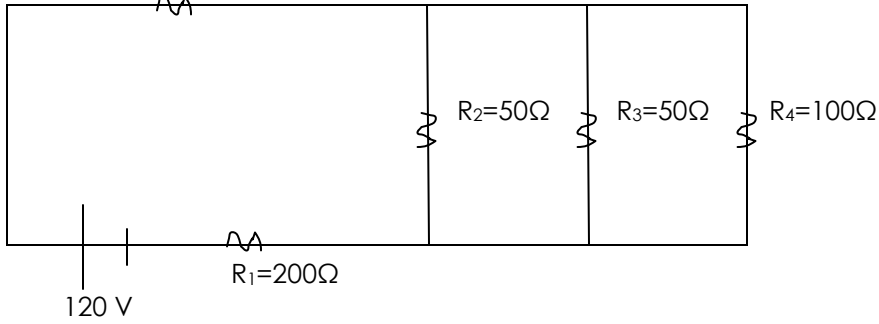
\_\_\_\_\_  $\Delta V_1$      \_\_\_\_\_  $\Delta V_2$      \_\_\_\_\_  $\Delta V_3$      \_\_\_\_\_  $\Delta V_4$

\_\_\_\_\_  $I_1$      \_\_\_\_\_  $I_2$      \_\_\_\_\_  $I_3$      \_\_\_\_\_  $I_4$

3. Find the Req, total current, and current through and voltage drop for each resistor.

$R_5=400\Omega$

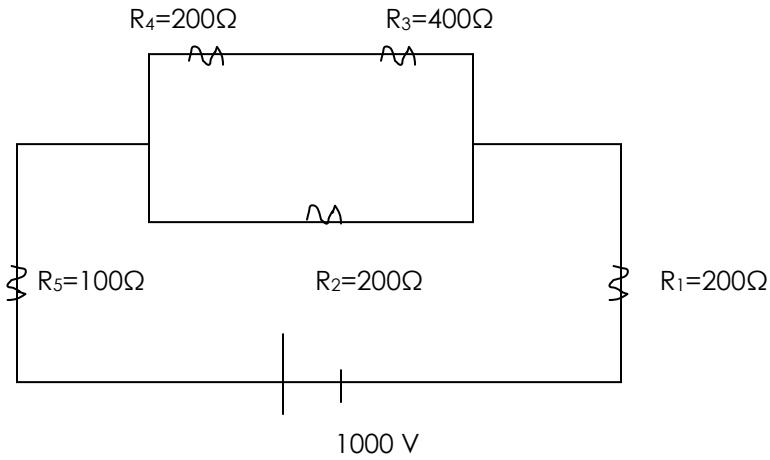
**Round current to 3 numbers!**



$R_{eq} =$ _____ Total I = _____
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\_\_\_\_\_  $\Delta V_1$     \_\_\_\_\_  $\Delta V_2$     \_\_\_\_\_  $\Delta V_3$     \_\_\_\_\_  $\Delta V_4$     \_\_\_\_\_  $\Delta V_5$   
 \_\_\_\_\_  $I_1$     \_\_\_\_\_  $I_2$     \_\_\_\_\_  $I_3$     \_\_\_\_\_  $I_4$     \_\_\_\_\_  $I_5$

4. Find the Req, total current, and current through and voltage drop for each resistor.



$R_{eq} =$ _____ Total I = _____
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\_\_\_\_\_  $\Delta V_1$     \_\_\_\_\_  $\Delta V_2$     \_\_\_\_\_  $\Delta V_3$     \_\_\_\_\_  $\Delta V_4$     \_\_\_\_\_  $\Delta V_5$   
 \_\_\_\_\_  $I_1$     \_\_\_\_\_  $I_2$     \_\_\_\_\_  $I_3$     \_\_\_\_\_  $I_4$     \_\_\_\_\_  $I_5$