Analytical Physics II Laboratory
Dr. Pogo

Due March 2, 2026

Quiz #5: Ohm's Law

Name:_____

For the circuit shown, you know that:

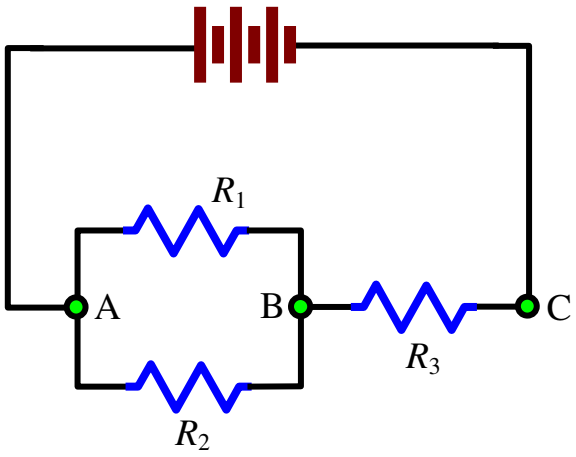
$R_1 = 400\ \Omega$	$R_2 = 300\ \Omega$	$R_3 = 1200\ \Omega$

Also, you know that the current through resistor 2 is: $I_2 = 10.0$ mA

Note carefully which side is the "long" side for the power supply!

Determine the five quantities that are listed in the box.

Each of the 5 questions is a one step problem, but you'll usually use a prior answer to get the next one! Some questions require Ohm's Law, and some require Kirchhoff's Node Law.



$V_A - V_B =$

I through $R_1 =$

I through $R_3 =$

$V_B - V_C =$

$V_A - V_C =$