Lab #1 Verification of KVL and KCL Worksheet

Group member names/SN): Each group hands in a one filled in sheet from data obtained in the experiments of the Lab#1 directions. DMM Accuracy Voltage Current Resistance **Resistor Values** Nominal Measured \pm **R**1 R2 R3 **KVL** Expected Measured V_{in} \pm V_{R1} \pm

 V_{R2}

KCL				
	Expected	, –	Measured	
I_{R1}			=	±
		. L		
I_{R2}			=	<u>+</u>
		. L		
I_{R3}			=	<u>+</u>
Discussion:				
Choose one example from your calculations and show how equipment accuracy and				
measurement errors propagate through the equations to affect expected values.				
Explain how the measurement Process itself affects the resistances, voltages and currents				
that you are measuring. (One or Two Sentences and/or a diagram)				