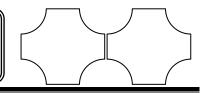


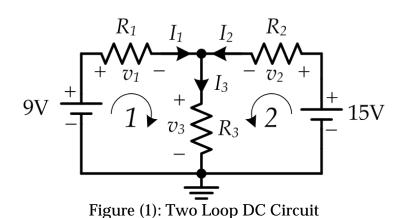
### Lab02: KCL, KVL



		D	ate:	/	/
ID	Comp	Name			

#### 1. Objectives

- 1. Solve the circuit shown, build it and measure all currents to verify them against theoretical. Use  $R_1=R_2=1$ k $\Omega$  and  $R_3=100\Omega$  all rated ½W.
- 2. Prove KCL law
- 3. Prove KVL law

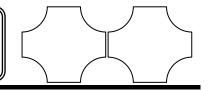


#### 2. Equipment

$\square$ DC Supply	Qty =	
$\square$ Function Generator	Qty =	
$\square$ Digital Multimeter	Qty =	
$\square$ Oscilloscope	Qty =	
☐ Other:		



## Lab02: KCL, KVL

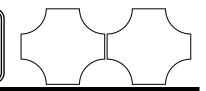


### 3. Experiment Steps

Evnoviment (1.1).
Experiment (1.1):
Experiment (1.2):
Experiment (1.2).
Experiment (1.3):



# Lab02: KCL, KVL



#### 4. Results

#### Experiment (1.1)

	$I_1$	$I_2$	$I_3$
Theoretical			
Experimental			
Error %			

#### Experiment (1.2)

	$I_1 + I_2$	$I_3$
Theoretical		
Experimental		
Error %		

#### Experiment (1.3)

	$V_1$	$V_2$	$V_3$	$V_1+V_3$	$V_2 + V_3$
Theoretical					
Experimental					
Error %					

#### 5. Remarks