Umar Khan / Alex Wall

Professor Joshua Hayter

CECS 211

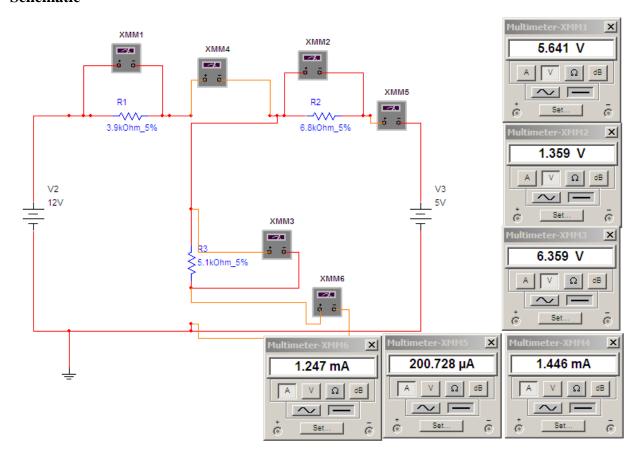
27 September 2016

Lab 5

Mesh Analysis

	R, 3,9K R, 6.8K		Alex	Wall O	
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		.5٧			
	Mesh 1				
	3.9K I, + 5.1k I 5.	lkI2-12	.=0	3	
	9kI,-5.1KI2=12			9 = 1.7647 5.1	
	Mesh Z			His many management of	
	6.8KI ₂ + 5.1KI ₂ - 5.1KI ₁ + 5 = 0 -5.1KI ₁ + 11.9KI ₂ = <b>G</b> -5 1.7647(-5.1KI ₁ + 11.9KI ₂ = 5) -9KI ₁ + 21KI ₂ = -8.8235				
	-9kI, +21kI, = -8.8235 + 9kI, -5.1kI, = 12				
		15.9K 15.9K			
	I2=	0.000 199	7 = 200-	uA	
	9kI, - 5.lk (200mA) =	-12_	The state of the s		
	9kI, -1.02 = 12				
	+ 1.02 +1.02				
	4KI, = 13.0Z				
	9k 9k				
	工, = 0.00(44)	M	HUMBRAIN 1	.446mA	
ti .	IRI = 1546mA	Ve. =	In RI = 5	.63947	
8	Ing = I,- I2 = 1246mA	111000	In AB = 6		
RZ	In : 200 A LA	VR3 =	In . RR = 1.	36V	

## **Schematic**



## BreadBoard

	R1	R2	R3
V	5.76 V	1.12 V	6.17 V
I	1.52 mA	164 μΑ	1.38 mA
R	3.9kOhm	6.8kOhm	4.7kOhm

