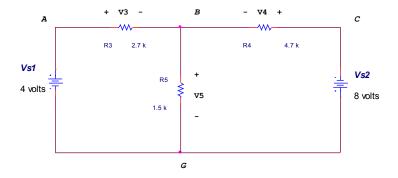
Name _____

Section _____ Date ____

Report for Exp 4:- PSpice - An Introduction

Tee Circuit



PSpice Netlist	PS ₁	pice	Ne	tlis
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Hand white the nothing the	4	- 1 ₀ 1 ₀		
Hand write the netlist th	iat you used ir	i iab.		

PSpice Output Data – Voltages

Record the output data from PSpice in the second column. Complete the remaining columns.

<u>Item</u>	PSpice Data		
V_{A}			
V_{B}			
$V_{\rm C}$			
<u>Item</u>	Values Calculated from PSpice Data	Measured Data*	Percentage Difference
$V_3 = V_A - V_B$			
$V_3 = V_A - V_B$ $V_4 = V_C - V_B$ $V_5 = V_B - 0$			
$V_5 = V_B - 0$			

^{*} From Exp. 3.

PSpice Output Data - Current

<u>Item</u>	PSpice Data	Measured Data*	Percentage Difference
I_{AB}			
I_{CB}			
I_{BG}			

^{*} From Exp. 3.

PSpice Exercise

Use PSpice to analyse the circuit shown on page 83 of the textbook "Circuits" by Ulaby and Maharbiz. Refer to Figure 3-1 (b) for voltage and current references. The voltage source is 10 V and the current source is 3 A. The resistors are:

$$R_2 = 100 \Omega$$
 $R_3 = 100 \Omega$ $R_4 = 100 \Omega$ $R_5 = 100 \Omega$ $R_6 = 100 \Omega$ $R_1 = 1$ last 3 digits of your VU ID Ω

On the attached sheets, include the following items in this section of the report:

- Drawing of the original circuit with node numbers labeled
- PSpice netlist
- List of output node voltages: V_0 , V_1 , V_2 , V_3 and
- List of currents I_1 and I_7 .