

Lab Report (2): Introduction to Pspice – Ohm's Law		
Name:	ID·	Tut #:

Question (1):

Build the following circuit using Orcad Pspice. It is required to find the current through the resistor.

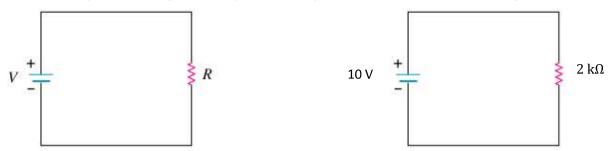
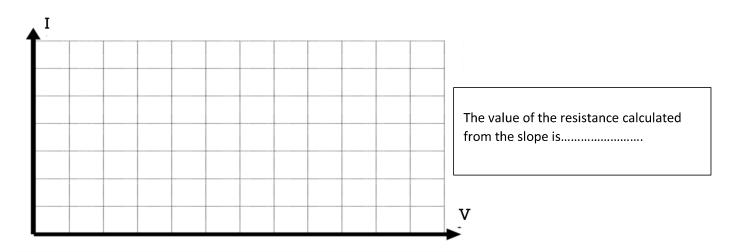


Figure 1

The value of the current through the resistor is.....

Question (2):

For the same circuit, we will do a DC sweep on the voltage source and record the values of the current passing through the resistor. Draw V versus I (R) on the following graph.





Question (3):

You are required to redraw the circuit twice as shown in Figure 2 and Figure 3 where another resistor is added with the value $4~k\Omega$. Record the value of the currents passing through the two resistors in each case.

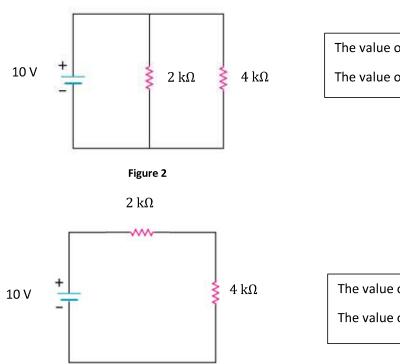


Figure 3

The value of the current passing through $2~k\Omega$ is The value of the current passing through $4~k\Omega$ is

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State your observation based on the values of current recorded above in Figure 2 and Figure 3.		