

CASE WESTERN RESERVE UNIVERSITY
 Case School of Engineering
 Department of Electrical Engineering and Computer Science
ENGR 210. Introduction to Circuits and Instruments (4)

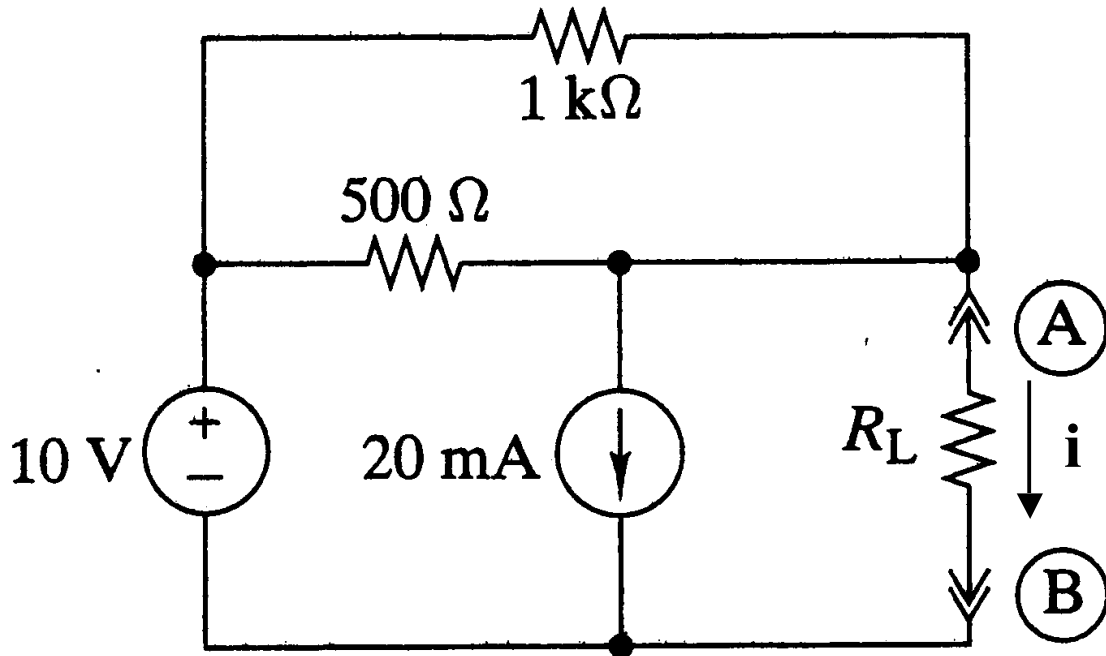
Quiz No. 5

2/20/04

PUT ANSWERS IN THE SPACE PROVIDED AND SHOW YOUR WORK IF APPROPRIATE. BE SURE TO STATE ANY ASSUMPTIONS

LINEARITY - SUPERPOSITION

1. (10 points) Assume $R_L = 500\Omega$. Using superposition determine



(a) the current i_1 through R_L from the 10 volts source. $i_1 =$ _____

(b) the current i_2 through R_L from the 20 milliamper source. $i_2 =$ _____

Name : _____ Section: _____ CWRU e-mail: _____

2. (10 points) What is the Thevenin equivalent of the circuit shown below.
 $V_T =$ _____ $R_T =$ _____

