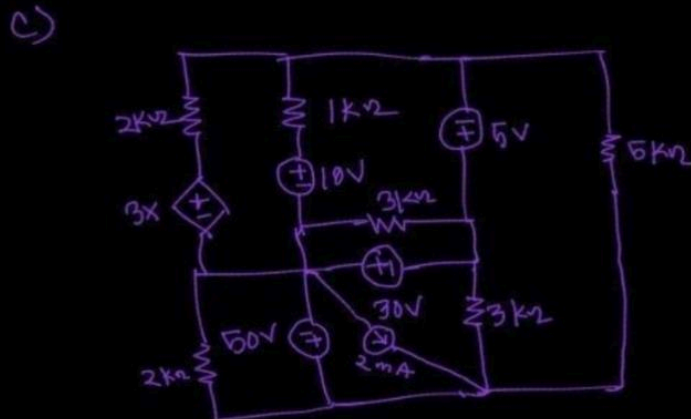
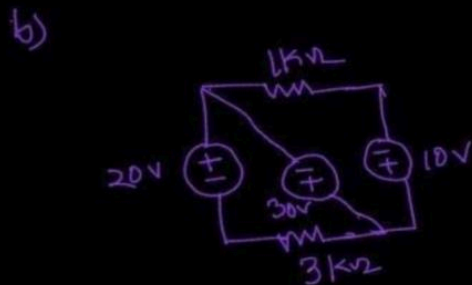
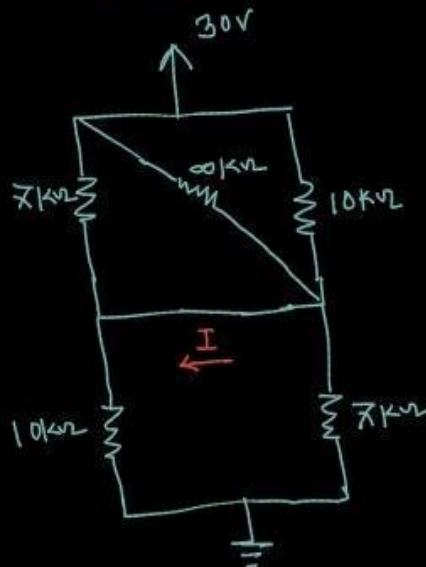


Assignment 1 - CSE251  
Total Marks: 60

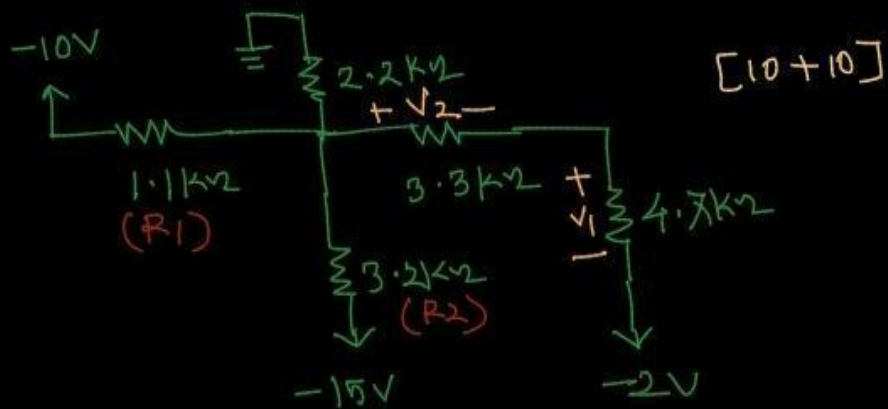
1. Draw the alternative ckt. diagram (Line ckt. diagram) of the following circuits. [5+5+5]



2. Calculate current  $I$  from the below circuit. [Nodal analysis not allowed here] [10]



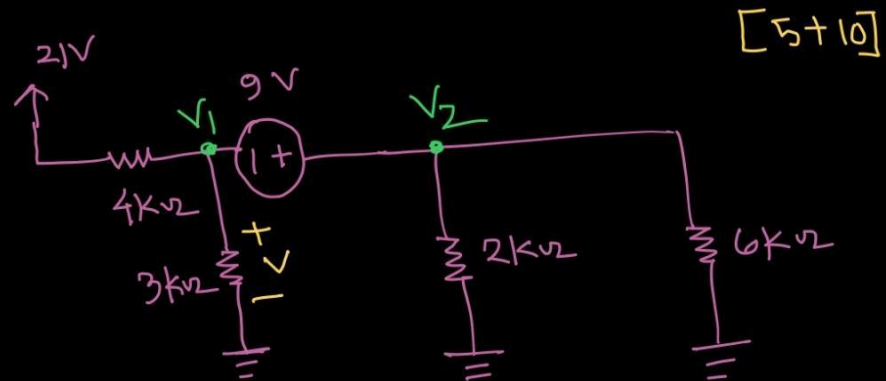
3.



a) Calculate  $V_1$  (voltage drop across  $4.8k\Omega$ ) and  $V_2$  (voltage drop across  $3.3k\Omega$ )

b) Among  $R_1$  and  $R_2$  which one dissipates more power?

4.



1. Write down the Super Node equation.
2. calculate the voltage drop  $V$  across  $3k\Omega$  resistor.