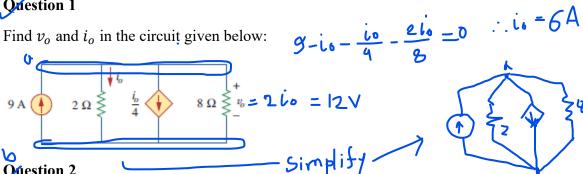
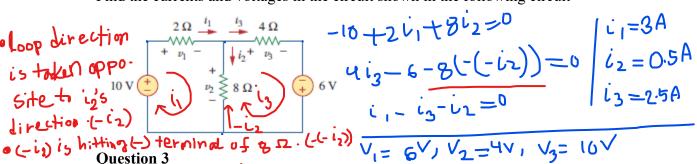
Step 1: Simplify the circuit a. Marrow down the nodes.

Question 1

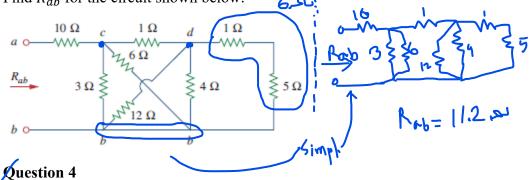
Question 2



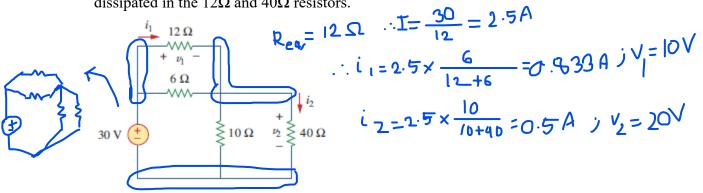
Find the currents and voltages in the circuit shown in the following circuit



V2 Storls with to (-(-(-(2))).
Find Rab for the circuit shown below:

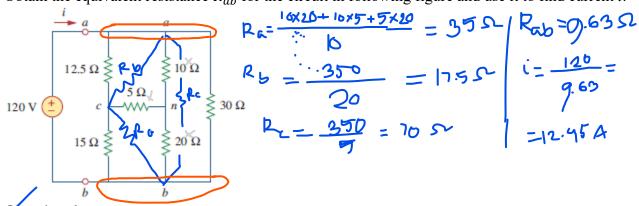


Find v_1 and v_2 in the circuit shown in following figure. Also calculate i_1 and i_2 and the power dissipated in the 12Ω and 40Ω resistors.



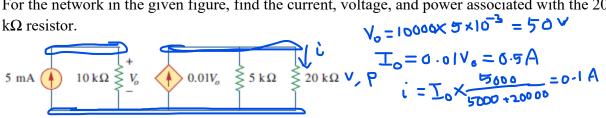
Question 5

Obtain the equivalent resistance R_{ab} for the circuit in following figure and use it to find current i.



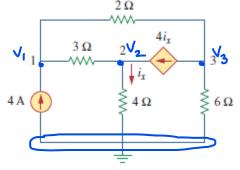
Question 6

For the network in the given figure, find the current, voltage, and power associated with the 20 $k\Omega$ resistor.



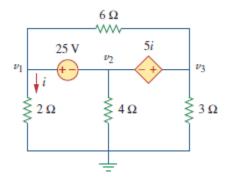
Question 7

Find the voltages at the three non-reference nodes in the circuit below.



Question 8

Find v_1 , v_2 and v_3 in the circuit of following figure using nodal analysis.



Question 9

For the circuit in the given circuit, find i1 to i4 using mesh analysis.

