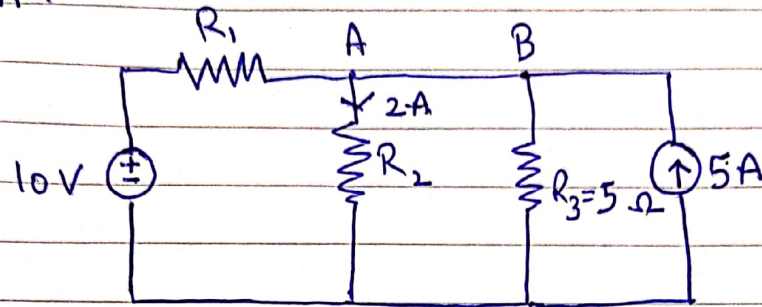
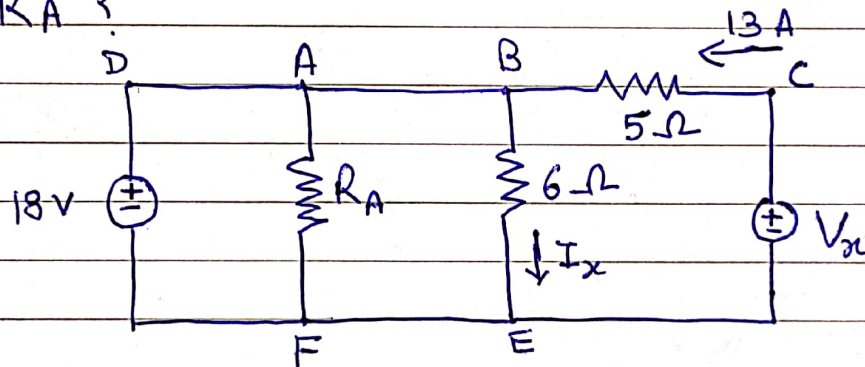


## Home Assignment 1

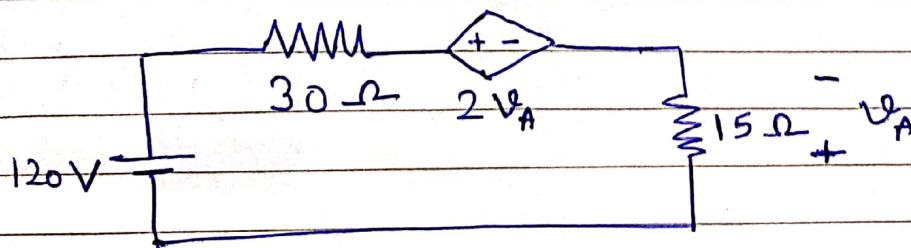
Q1- For the circuit shown in the figure, compute the power across resistor  $R_3$  if it is known that the voltage source supplies a current of 3A.



Q2- Count the number of branches and nodes in the circuit shown in the figure. If 18V source delivers 8A of current what is the value of  $R_A$ ?



Q3- Compute the power absorbed in each element for the circuit shown in figure



Q4- For the circuit shown find  $i_1, i_2, i_3, i_4$

