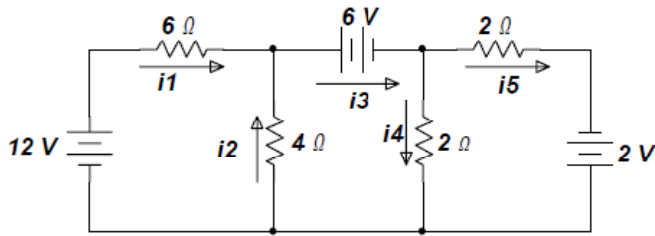
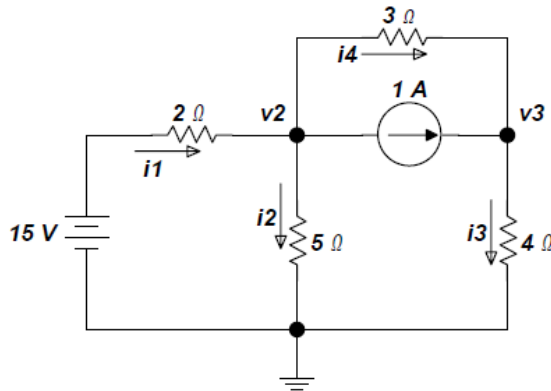


Ques 1: Solve for i_1, i_2, i_3, i_4, i_5 .



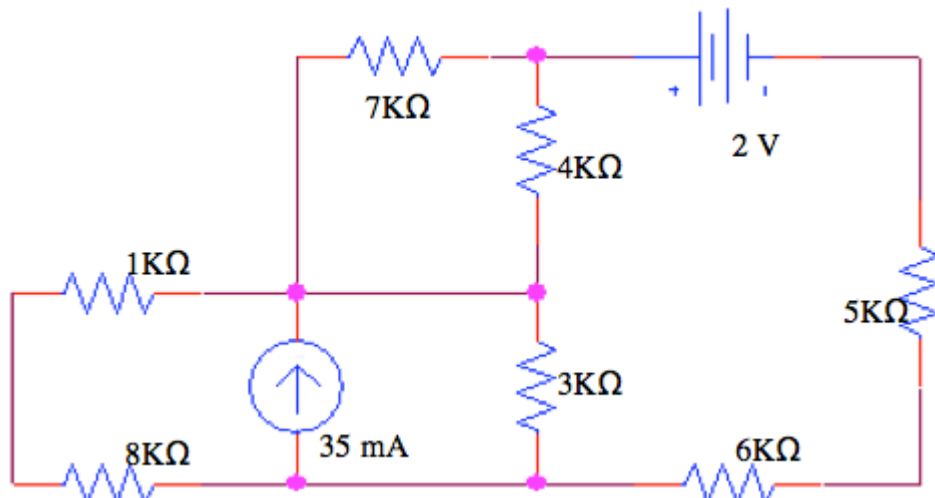
Answer: $i_1 = 1.180\text{ A}$, $i_2 = -1.240\text{ A}$, $i_3 = -0.058\text{ A}$, $i_4 = -0.529\text{ A}$, $i_5 = 0.471\text{ A}$

Ques 2: Calculate value of $i_1, i_2, i_3, i_4, v_2, v_3$.



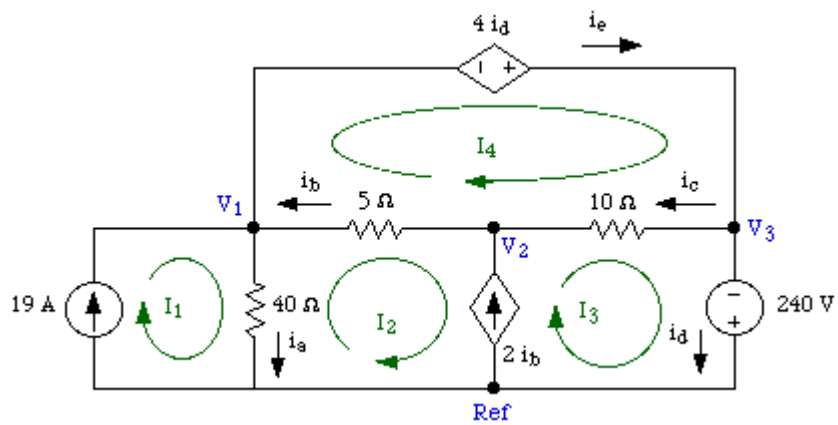
Answer: $i_1 = 3.31\text{ A}$, $i_2 = 1.68\text{ A}$, $i_3 = 1.63\text{ A}$, $i_4 = 0.627\text{ A}$, $v_2 = 8.39\text{ V}$, $v_3 = 6.51\text{ V}$

Ques 3: Solve for the power delivered by the 35mA current source in the circuit shown.



Answer: $P = -67.7\text{ V} * 35\text{ mA} = -2.37\text{ W}$

Ques 4 : Find the branch currents i_a , i_b , i_c , i_d and i_e .



Answers: $i_a = -7$ A, $i_b = -8$ A, $i_c = 8$ A, $i_d = 10$ A, $i_e = 18$ A