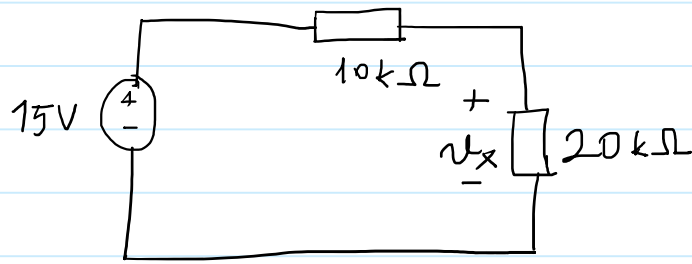


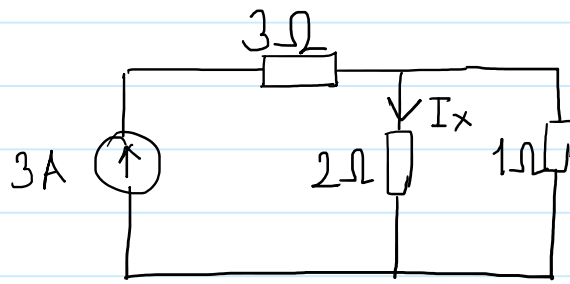
Q1



$$v_x = ?$$

Answer : $v_x = 10V$

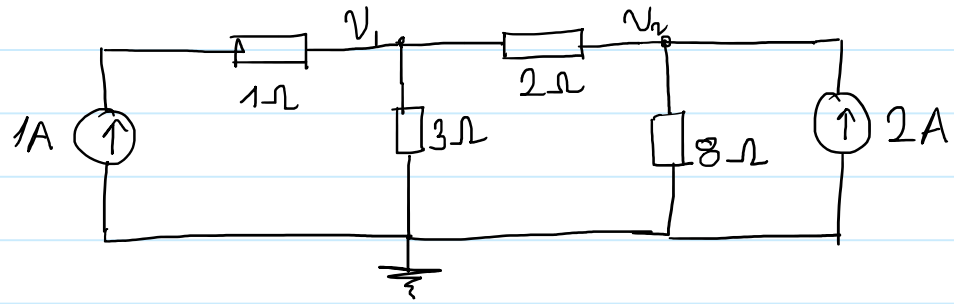
Q2



$$I_x = ?$$

Answer: $I_x = 1A$

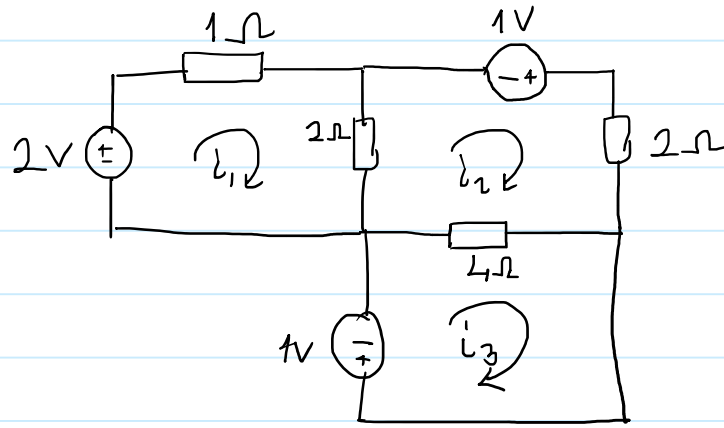
Q3



Using node-voltage method find v_1 and v_2 .

Answer: $v_1 = 6V$, $v_2 = 8V$

Q4



Answer: $i_1 = 1A$, $i_2 = \frac{1}{2}A$, $i_3 = \frac{1}{4}A$