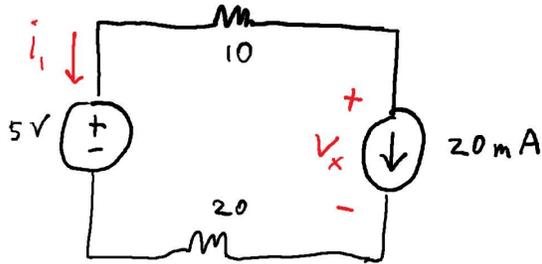


(a) Write KVL equation of the loop starting from the leftmost voltage source using clock-wise direction. Also, use the variables defined in the figure (e.g., i_1).

(b) Find i_1 .

(c) Find v_x .



Write your answers in the following format:

Qa: $10 + 10 i_1 - 10 - 10 i_1 + 40 = 0$

Qb. $i_1 = 10A$

Qc. $v_x = 0V$