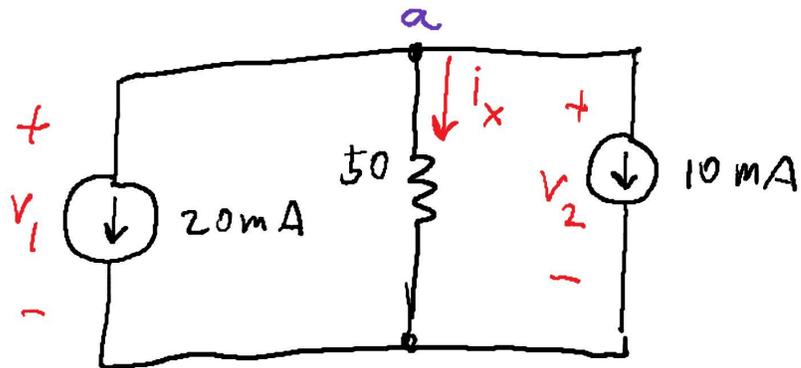(a) Write KCL equation of the node a starting from the leftmost branch and progress in order. Use a convention that a current entering a node is positive. Also, use the variables defined in the figure (e.g., ix).

(b) Find ix.

(c) Find v1.

(d) Find v2.

Write your answers in the following format:

Qa: 10 + 10 i1 – 10 – 10 i1 + 40 = 0
Qb. ix = 10A
Qc. v1 = 0V
Qd. v2 = 0V