

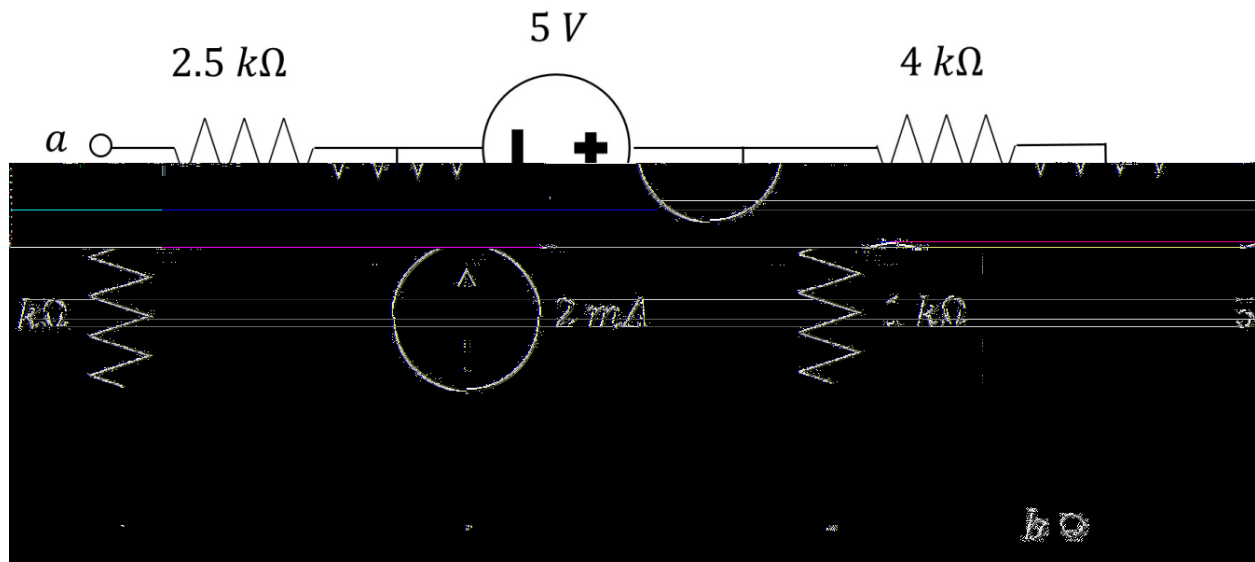
Homework 4

ECE2004 CRN:12898

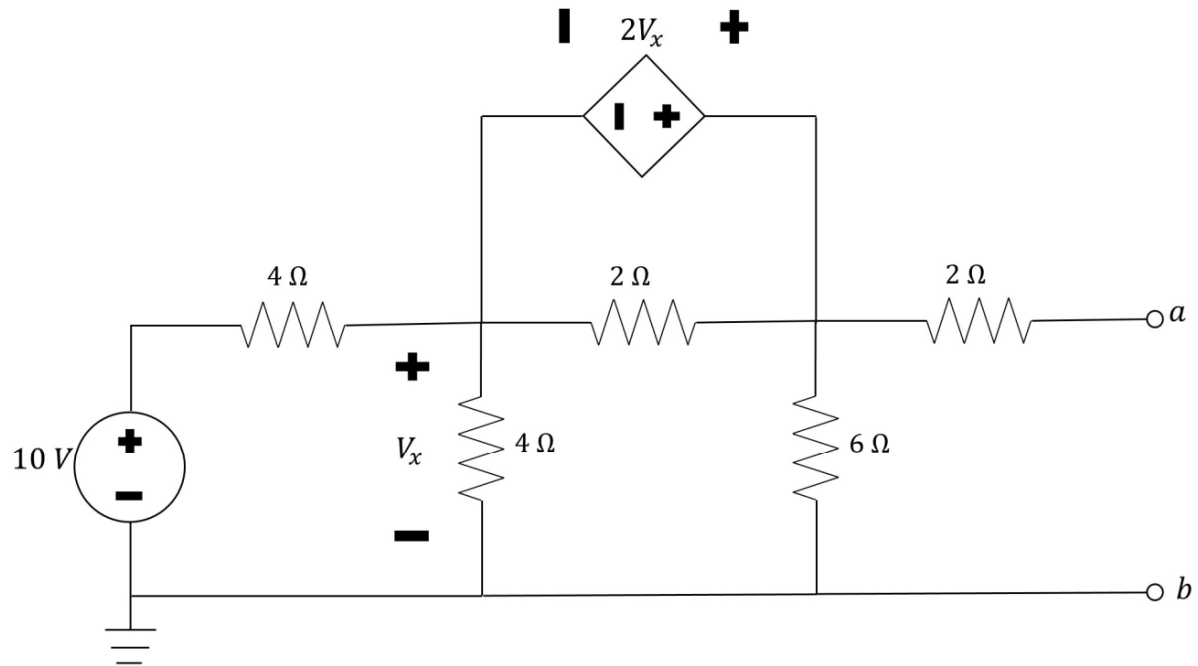
Jacob Abel

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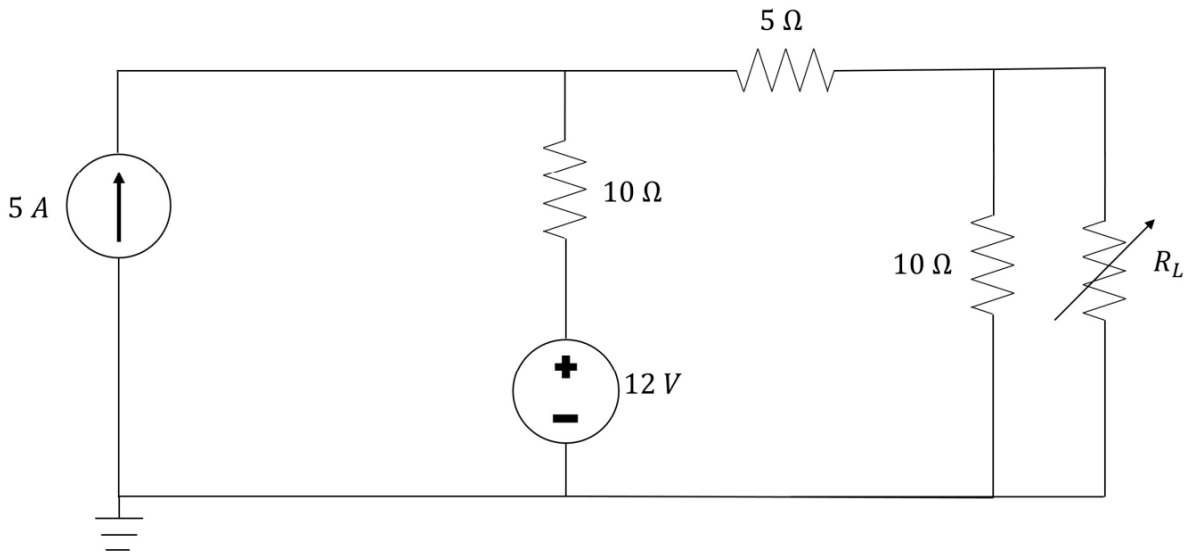
Question 1: Find the Thevenin equivalent voltage and resistance at terminals $a - b$.



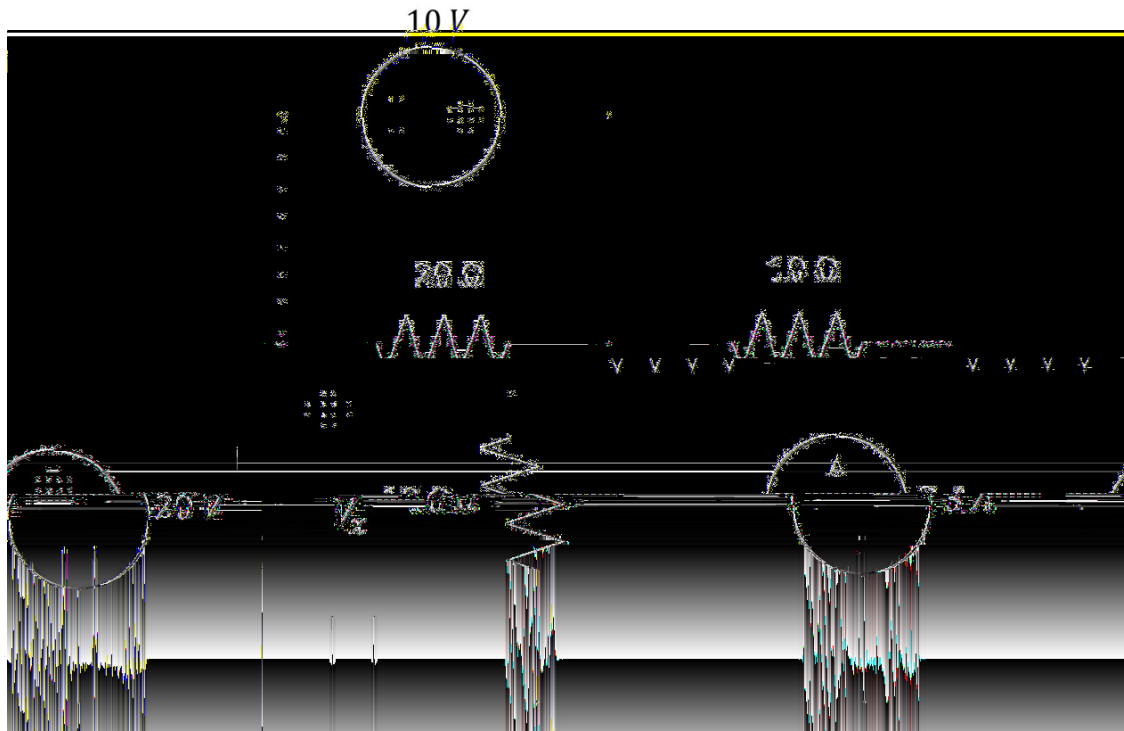
Question 2: Find the Norton equivalent current and resistance at terminals $a - b$.



Question 3: What is the maximum power that can be delivered to R_L ?



Question 4:



- A) Use superposition to find V_x .
- B) Analyse the full circuit with mesh current or nodal analysis to find V_x .