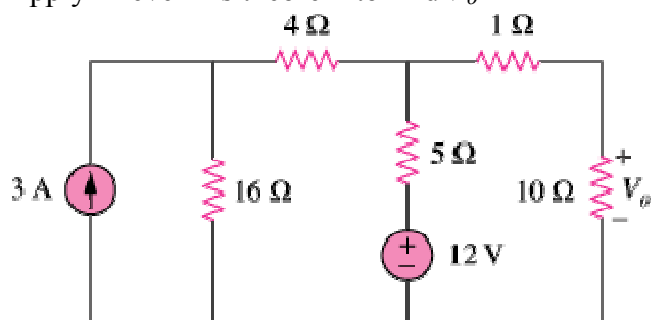


SKEE 1023 CIRCUIT THEORY
SECTION 13
TUTORIAL 5: Circuit Theorems

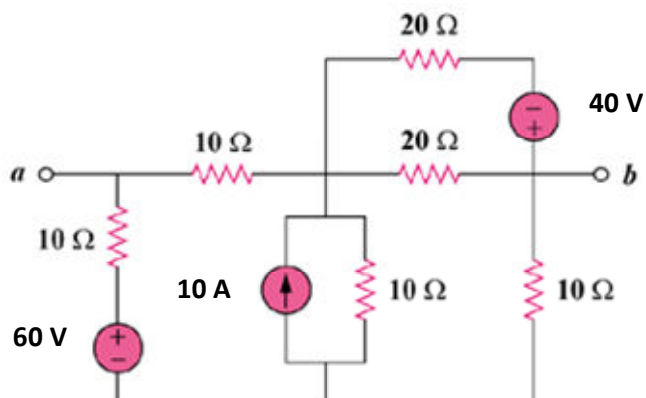
1. Problem 4.38

Apply Thèvenin's theorem to find V_o



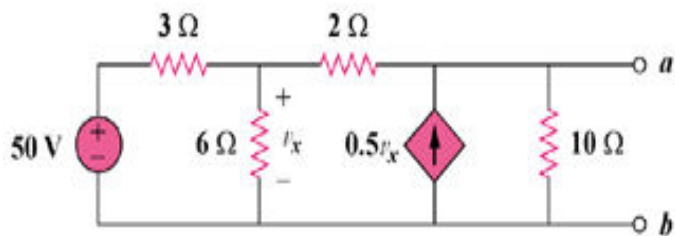
2. Problem 4.42

Find Thevenin equivalent between terminals **a** and **b**.



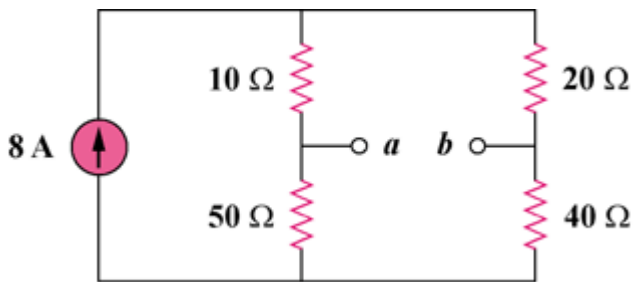
3. Problem 4.57

Obtain the Thevenin and Norton equivalent circuits at the terminals **a-b**



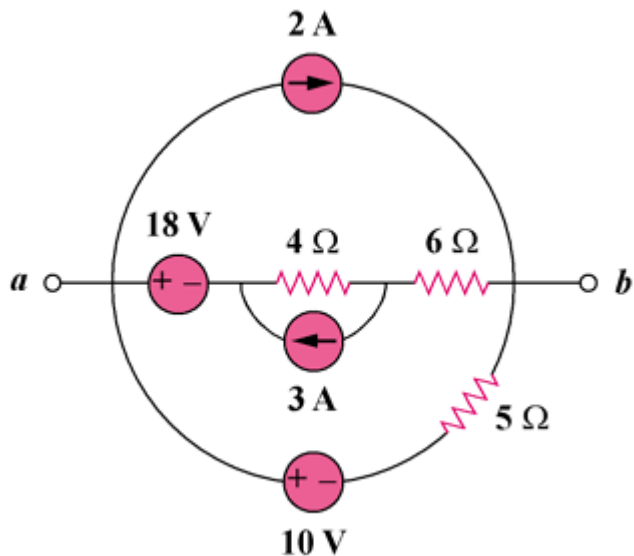
4. Problem 4.59

Determine the Thevenin and Norton equivalents at terminals ***a-b*** of the circuit below.



5. Problem 4.60

Find the Thevenin and Norton equivalent circuits at terminals ***a-b***.



6. Problem 4.88 (Assignment group E)

An ammeter with internal resistance R_i is inserted between *A* and *B* to measure I_o . Determine the reading of the ammeter if: (a) $R_i = 500\ \Omega$, (b) $R_i = 0\ \Omega$. (*Hint*: Find the Thévenin equivalent circuit at terminals *A-B*.)

