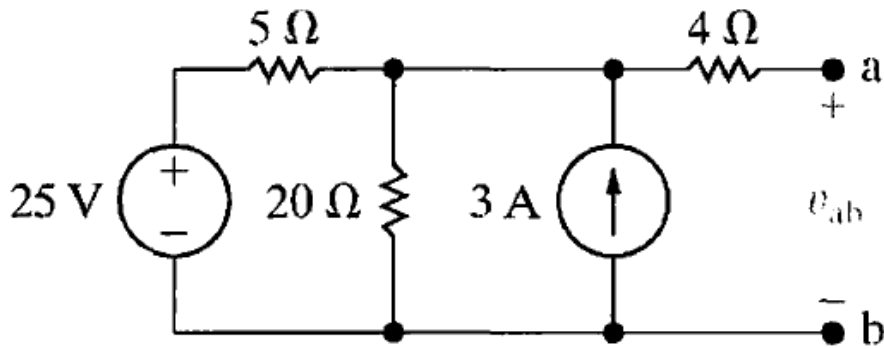


# Thevenin's and Norton's Theorems

## Problems – In class

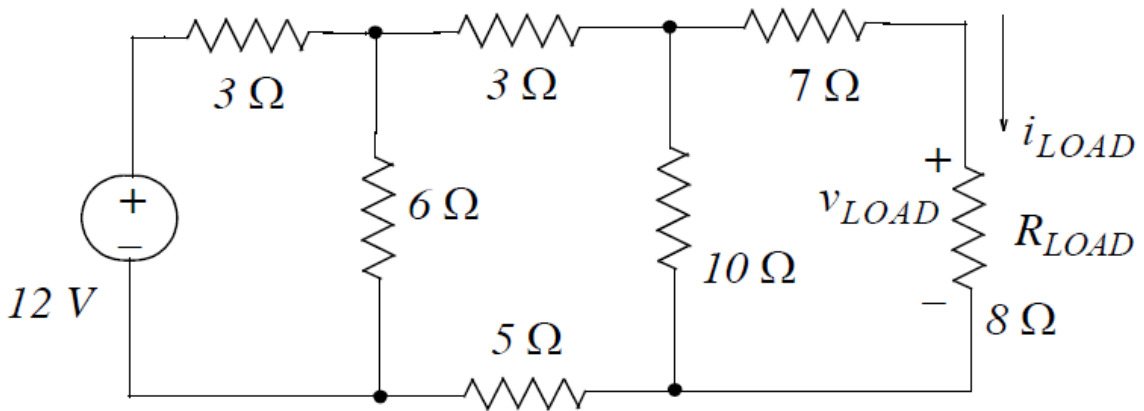
**Problem 1:** Find the Thevenin's equivalent circuit for the following circuit across terminals a-b.



# Thevenin's and Norton's Theorems

## Problems – In class

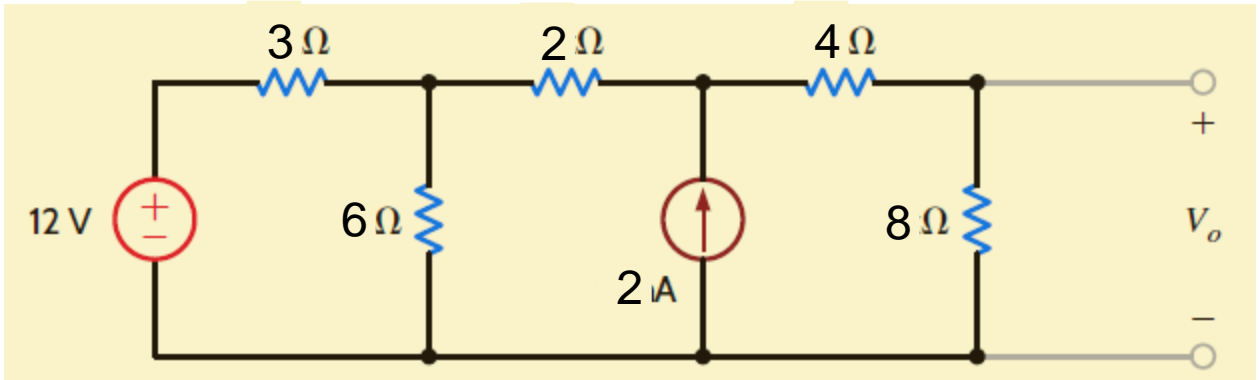
**Problem 2:** Find  $i_{LOAD}$  through  $R_{LOAD}$  using Thevenin's theorem



# Thevenin's and Norton's Theorems

## Problems – In class

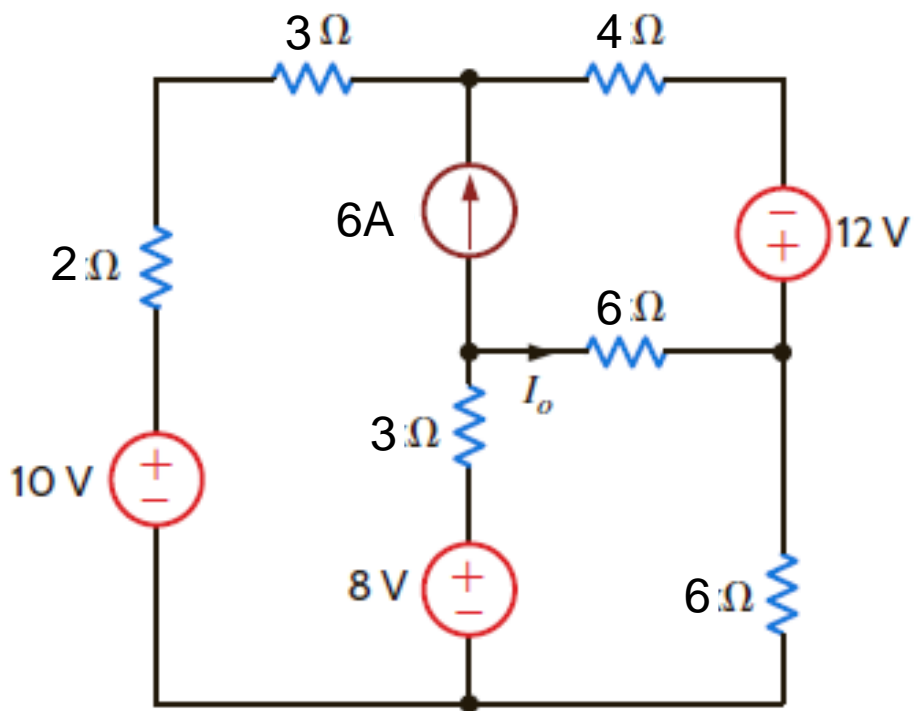
**Problem 3:** Find  $V_o$  using Thevenin's theorem



# Thevenin's and Norton's Theorems

## Problems – In class

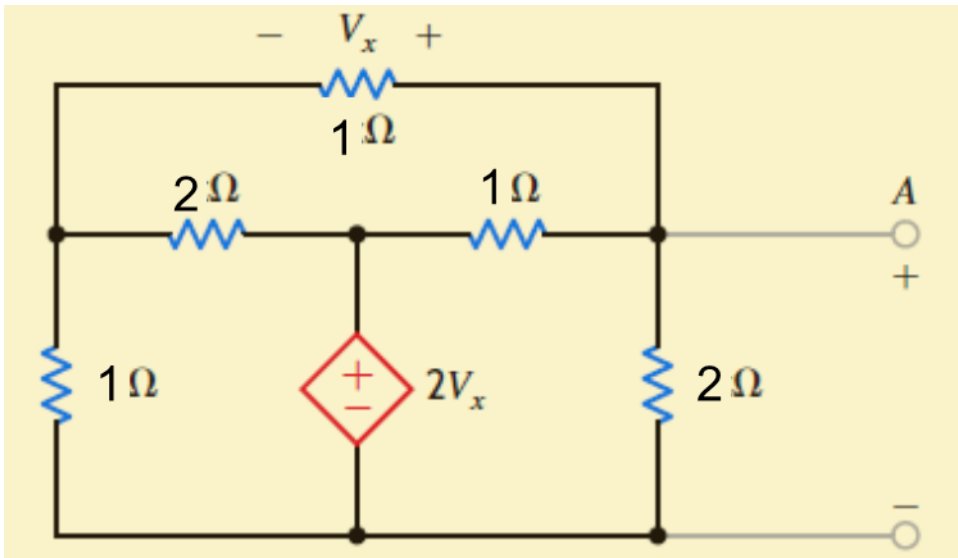
**Problem 4:** Find  $I_o$  using Thevenin's or Norton's theorem



# Thevenin's and Norton's Theorems

## Problems – In class

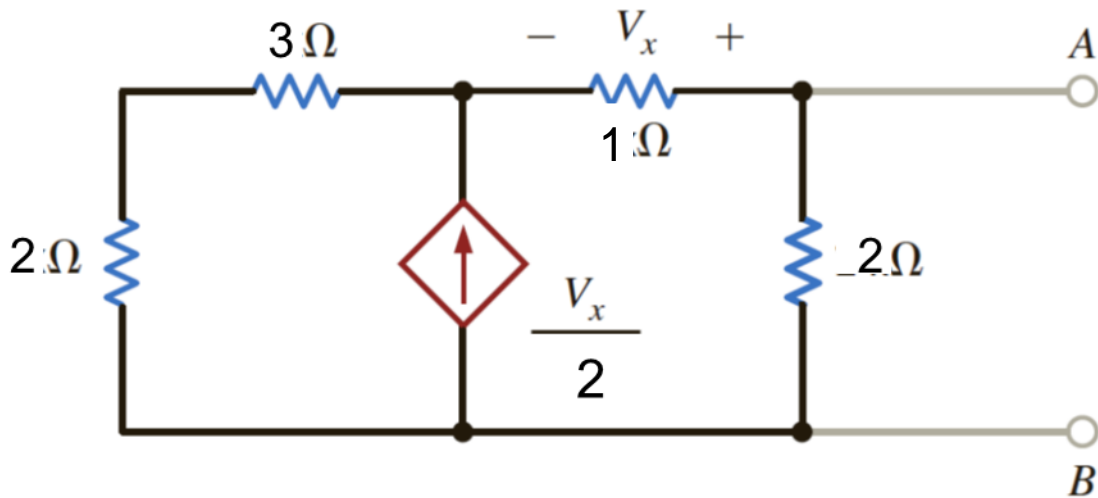
**Problem 5:** Find the Thevenin equivalent circuit for the following circuit with respect to the terminals AB (Irwin – Example 5.8)



# Thevenin's and Norton's Theorems

## Problems – In class

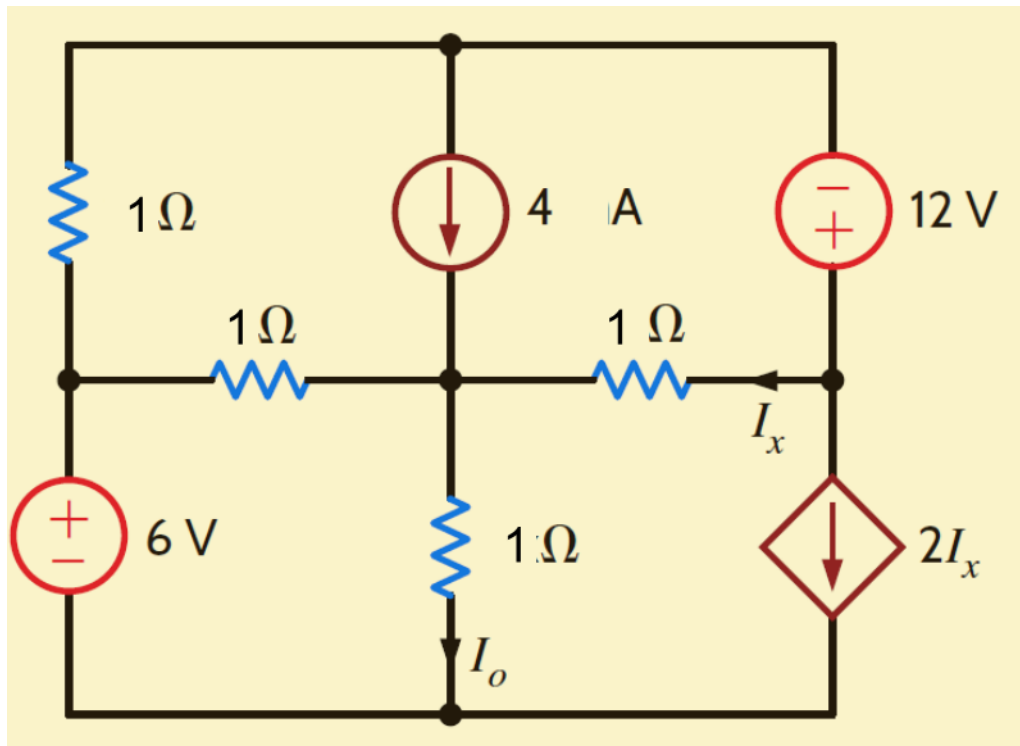
**Problem 6:** Find the Thevenin equivalent circuit for the following circuit with respect to the terminals AB (Irwin – E 5.13)



# Thevenin's and Norton's Theorems

## Problems – In class

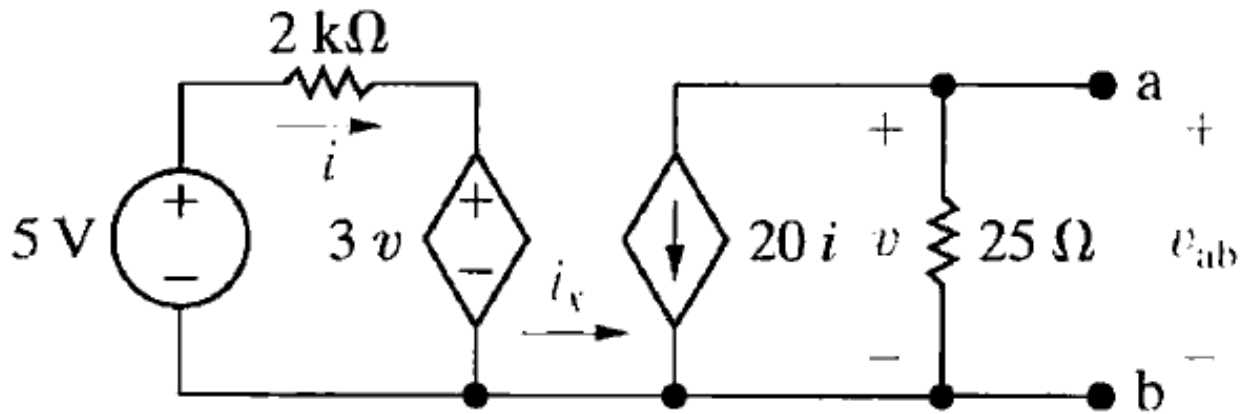
**Problem 7:** Find  $I_o$  using Thevenin's theorem



# Thevenin's and Norton's Theorems

## Problems – In class

**Problem 8:** Find the Thevenin equivalent circuit for the following circuit with respect to the terminals a,b





# Thevenin's and Norton's Theorems

## Problems – In class

**Problem 9:** Find the Thevenin equivalent circuit for the following circuit with respect to the terminals a,b

