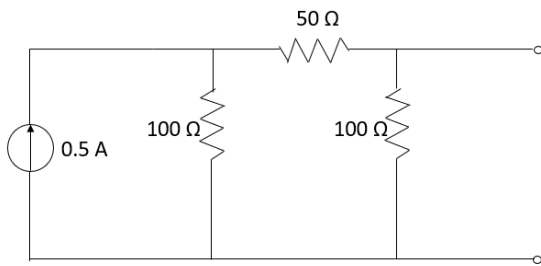


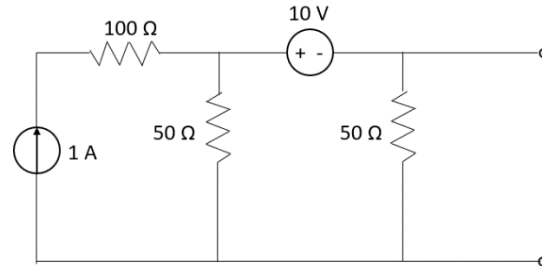
## Homework 5

**Problem 1** (8 pt) Find the Thevenin equivalent circuit for each network below (provide detailed process).

(1)

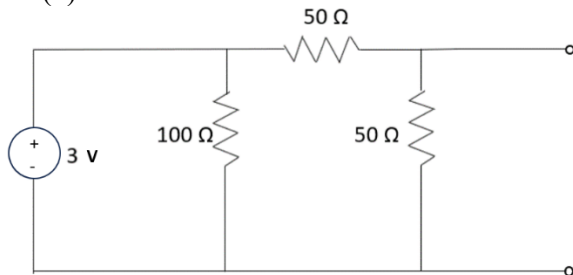


(2)

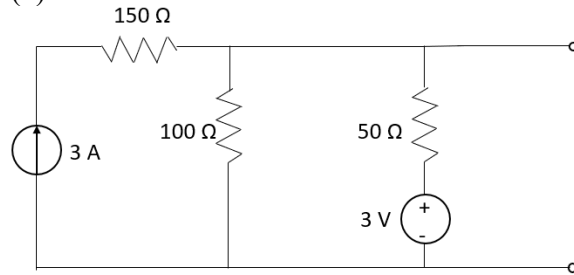


**Problem 2** (8 pt) Find the Norton equivalent circuit for each network below (provide detailed process).

(1)



(2)



**Problem 3** (4 pt) In the following circuit, it contains a current-controlled voltage source ( $6.25 \cdot i_1$ )— $i_1$  is an unknown and you need to find out. Calculate  $V_O$  (provide the numerical value and show the detailed process).

