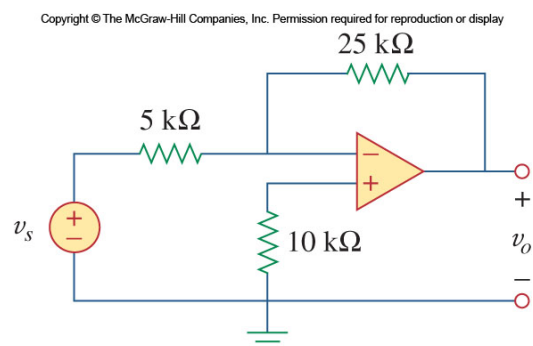


Student ID: _____ Student Name: _____

5 marks1) For the circuit in Fig 1, if $v_s = 2V$:

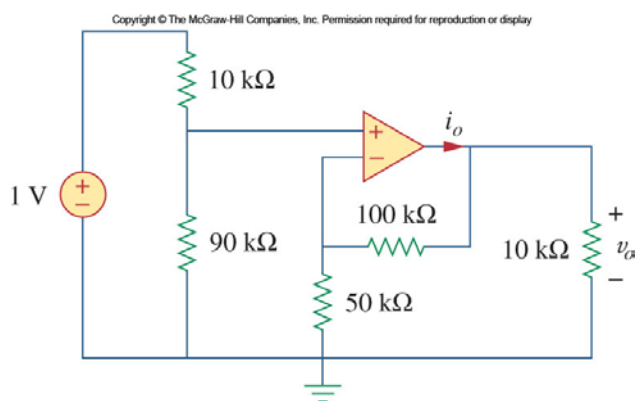
- Find the current in the $10\text{ k}\Omega$ resistor
- Find the voltage across the $10\text{ k}\Omega$ resistor
- Find the current through the $5\text{ k}\Omega$ resistor
- Find the voltage v_o

**Fig 1**

2) For the circuit in Fig 2:

5 marks

- Find the voltage v_o
- Find the current i_o

**Fig 2**