

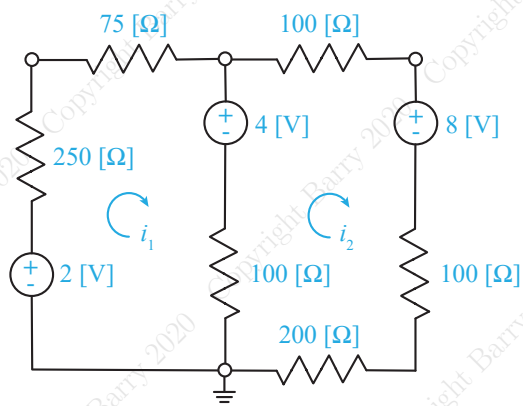
# MCA Worksheet

MEMS 0031 - Electrical Circuits

June 4, 2020

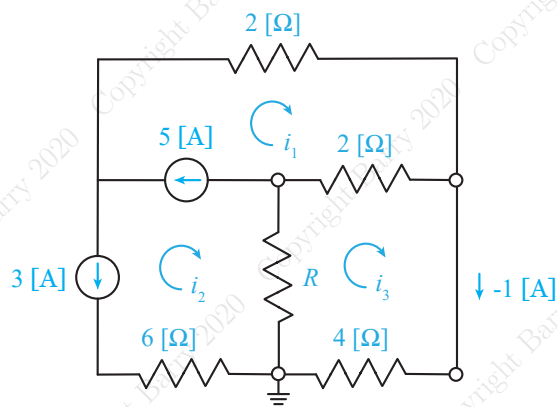
## Problem #1

Use MCA to find  $i_1$  and  $i_2$  in the circuit shown below.



## Problem #2

Use MCA to determine the resistance  $R$  in the circuit shown below.



### Problem #3

Use MCA to determine the voltage drop across the  $50\ \Omega$  resistor in the circuit shown below.

