

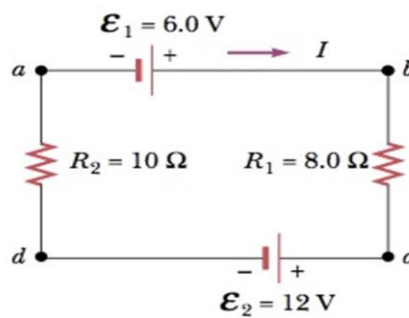


Name: ..... Student Id: .....

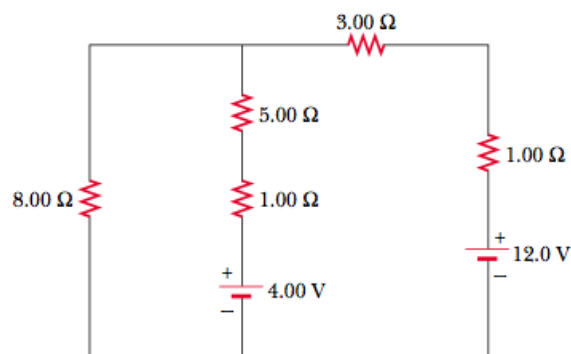
## Homework#2

1)  
A single-loop circuit contains two resistors and two batteries, as shown in figure below. Answer the following questions:

- 1) Find the current in the circuit.
- 2) What power is delivered to each resistor?

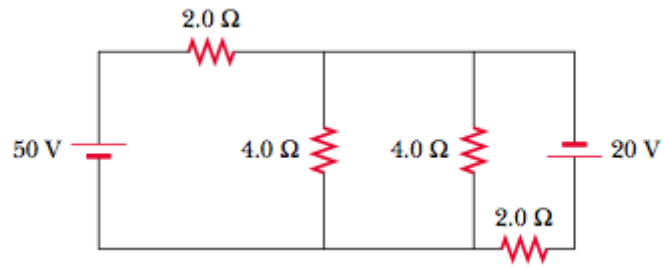


2)  
Determine the current in each branch of the circuit shown in figure below.



3)

Calculate the power delivered to each resistor shown in figure below.



4)

Find the currents  $I_1$ ,  $I_2$ , and  $I_3$  in the circuit shown in figure below.

