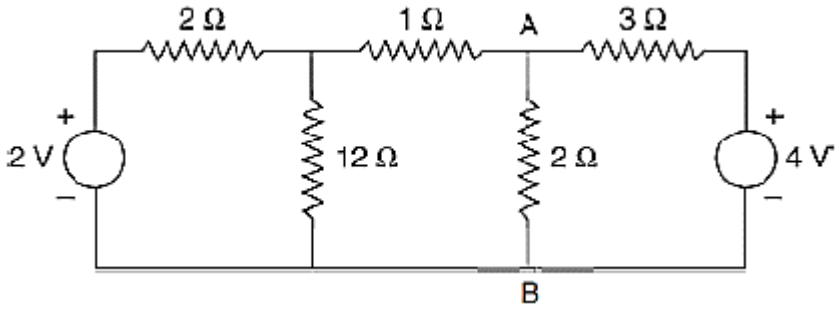
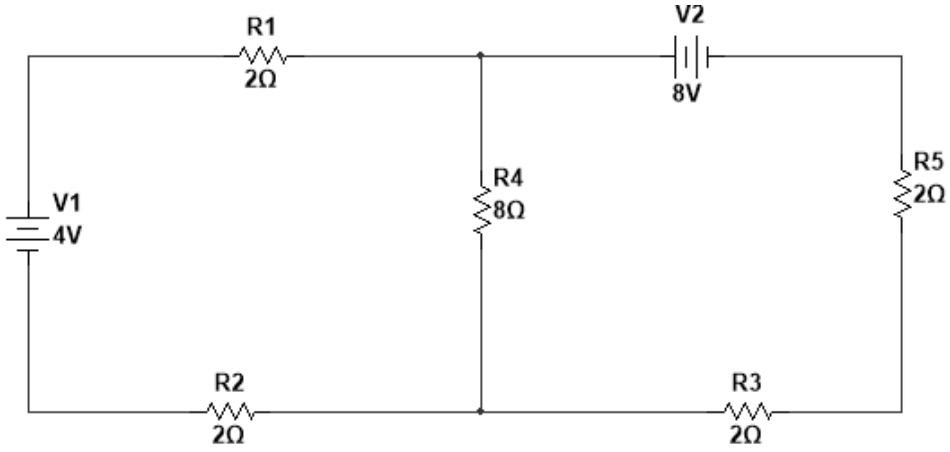
Department of Electrical Engineering
Assignment
Date: 24/09/2020

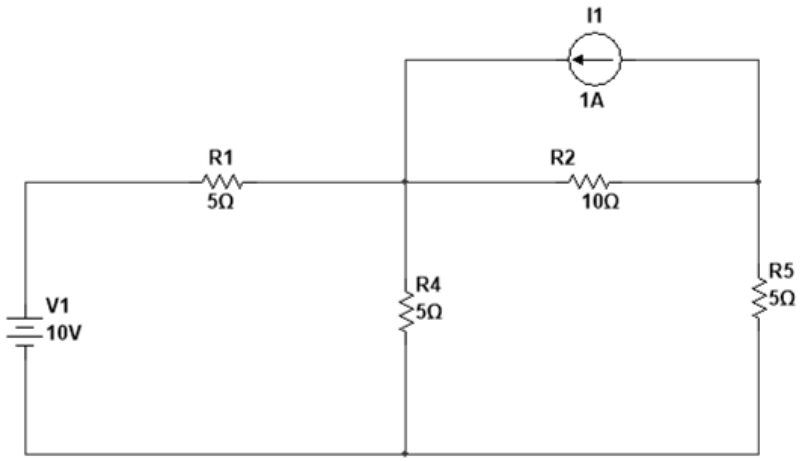
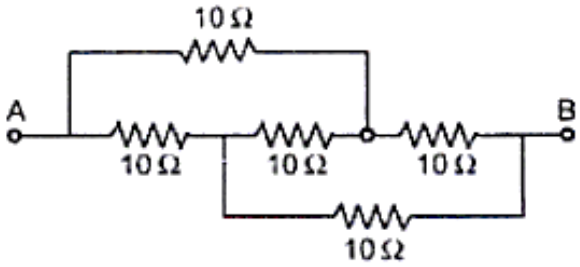
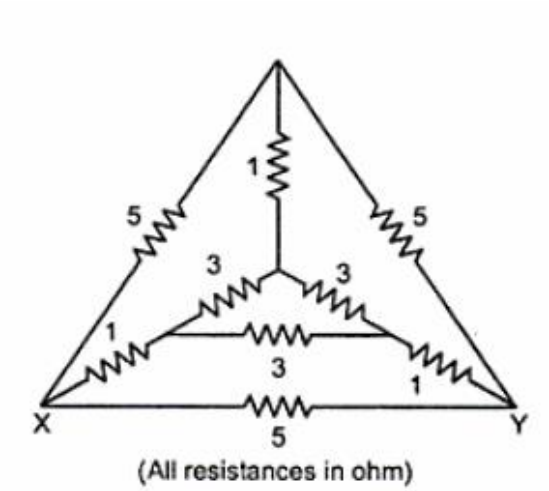
Course Details

Course Title: Linear Circuit Analysis **Semester:** Summer-20
Instructor: _____ **Total Marks:** 50

Student Details

Name: _____ **Student ID:** _____

Q1.	**Using superposition principle, determine the current through 2 Ω resistor connected between terminal A and B in the circuit shown below:** 	**Marks 10**
Q2.	**Find the current in 8 Ω resistor using Thevenin's theorem:** 	**Marks 10**

Q3.	**Find the current through the central 5 Ω resistor using source transformation technique:**  	**Marks 10**
Q4.	**(a) Calculate the resistance between terminal A and B for the circuit shown below:**  	**Marks 10**
	(b) Determine the resistance between terminal X and Y for the circuit shown in the figure below:  (All resistances in ohm)	**Marks 10**