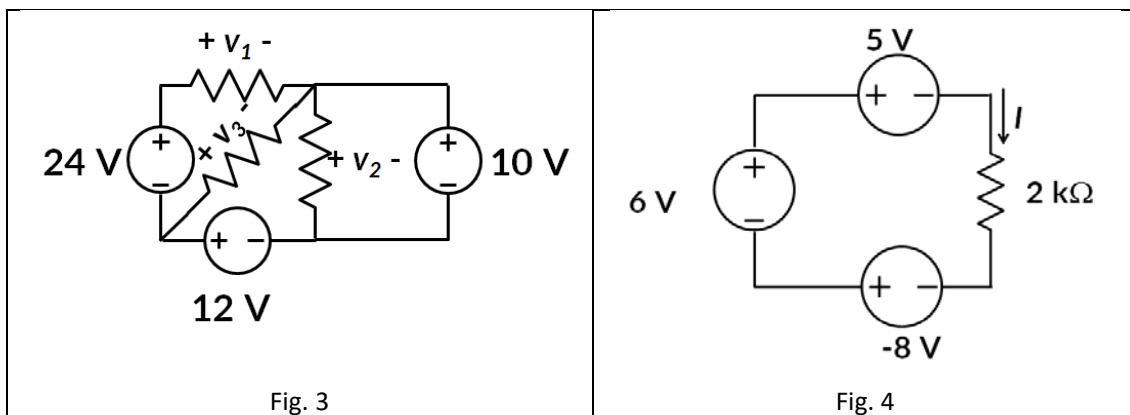
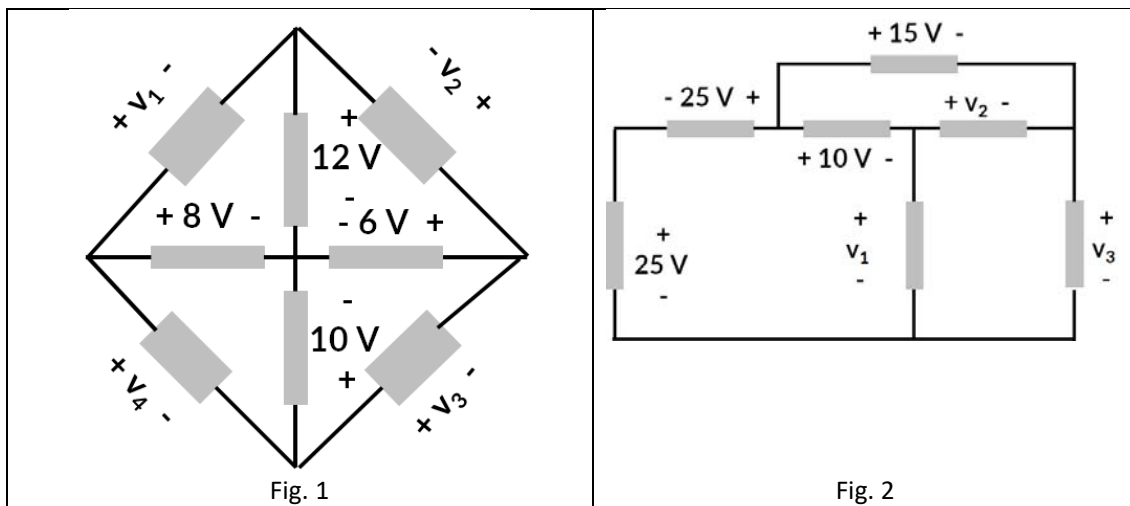


Department of ECE, Bennett University

EECE105L: Fundamentals of Electrical and Electronics Engineering

Tutorial Sheet-2

1. For the circuit shown in fig. 1, determine V_1 through V_4 .
2. For the circuit shown in fig. 2, determine V_1 , V_2 and V_3 .
3. For the circuit shown in fig. 3, determine V_1 , V_2 and V_3 .
4. Find the current I and the power absorbed or supplied by each element in the circuit shown in fig. 4.



----- END OF QUESTIONS -----

Answers:

- 1) $v_1 = -4 \text{ V}$, $v_2 = -6 \text{ V}$, $v_3 = 4 \text{ V}$, $v_4 = -2 \text{ V}$
- 2) $v_1 = 40 \text{ V}$, $v_2 = 5 \text{ V}$, $v_3 = 35 \text{ V}$
- 3) $v_1 = 10 \text{ V}$, $v_2 = 2 \text{ V}$, $v_3 = 26 \text{ V}$
- 4) $I = -3.5 \text{ mA}$