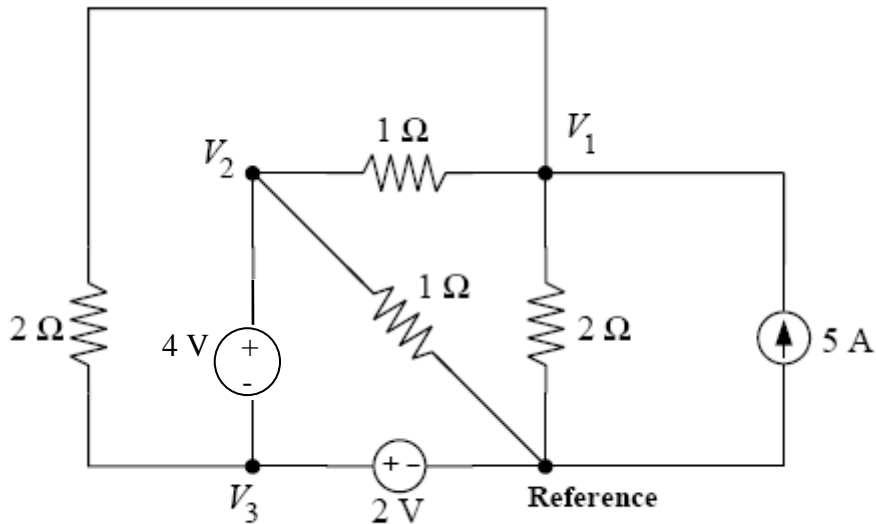


EE 201 Midterm #2

Summer Term 1427/1428



1) In the circuit shown above, the value of V_2 with respect to the reference is

- a) -2 V
- b) 5 V
- c) 2 V
- d) -6 V
- e) All these answers are wrong.

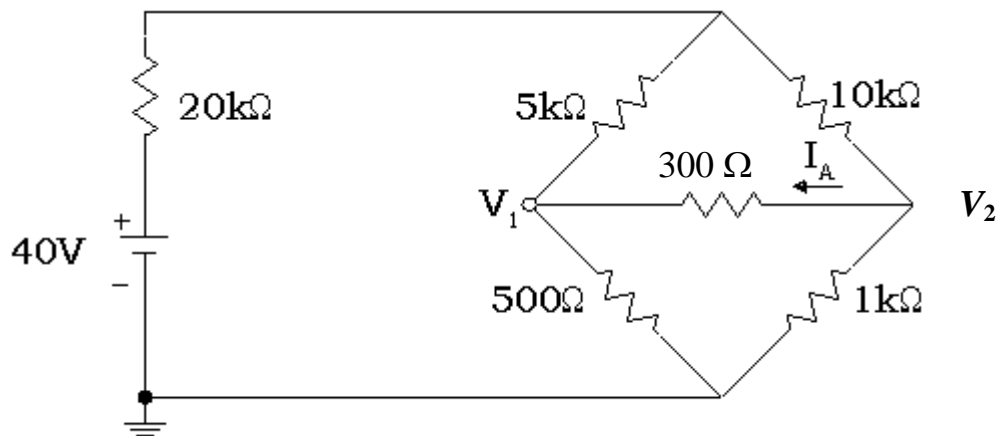
2) In the circuit shown above, the value of V_3 with respect to the reference is

- a) -2 V
- b) 6 V
- c) 2 V
- d) -6 V
- e) All these answers are wrong.

3) In the circuit shown above, the value of V_3 with respect to the reference is

- a) -2 V
- b) 6 V
- c) 2 V
- d) -6 V
- e) All these answers are wrong.

4) In the circuit shown below, what is the best method to find the value of I_A .

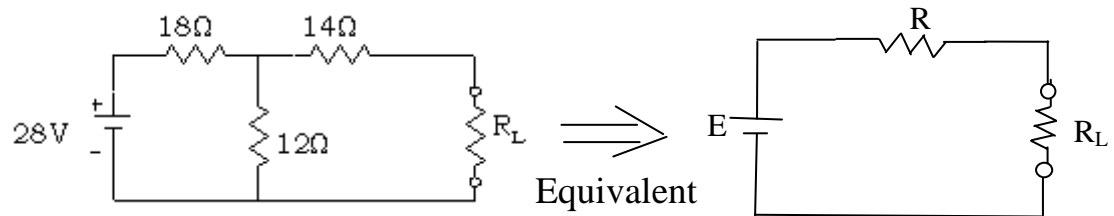


- | | | |
|--------------------|---------------------------------|------------------|
| a) Node method | b) Loop method | c) Superposition |
| d) Thevenin method | e) All these answers are wrong. | |

5) In the circuit shown above, what is the value of I_A .

- | | | |
|----------|---------------------------------|--------|
| a) -2 V | b) 6 V | c) 2 V |
| d) - 6 V | e) All these answers are wrong. | |

1) Find the Thevenin's equivalent circuit external to the resistor R_L .



- a) 21.2 ohms and 11.2V b) 22.3 ohms and 14.3V c) 21.2 ohms and 14.3V
d) 22.3 ohms and 16.3V e) All these answers are wrong.

2) Find the Thevenin's equivalent circuit external to the resistor R_L .

- a) 18 ohms and -75V b) 18 ohms and 75V c) 3 ohms and 15V
d) 3 ohms and -15V e) All these answers are wrong.

- a) 24V
- d) 15V

- b) 20V
- c) 18V
- e) All these answers are wrong.

4)

- a) 3A
- d) 2A

- b) 5A
- c) 4A
- e) All these answers are wrong.

5)

- a) 2A
- d) 5A

- b) 3A
- c) 4A
- e) All these answers are wrong.

6)

- a) -1A
- d) -1.5 A

- b) 1A
- c) 1.5 A
- e) All these answers are wrong.

7)

- a) 32 V
- d) 34 V

- b) 30 V
- c) 28 V
- e) All these answers are wrong.

8)

- a) 8 V
- d) 5 V

- b) 7 V
- c) 6 V
- e) All these answers are wrong.

10) Use the circuit of problem 9 and find V_2 .

- a) 20.9V
- b) -20.9V
- c) 18.3V
- d) -18.3V
- e) All these answers are wrong.

11) Determine the current I_A .

- a) 0 A
- b) 1.2 mA
- c) 1.2 μ A
- d) 2 mA
- e) All these answers are wrong.

12) Using the circuit for problem 11, find V_1 .

- a) 565mV
- b) -715mV
- c) 563mV
- d) 642mV
- e) All these answers are wrong.