ID:	Name:

BRAC University

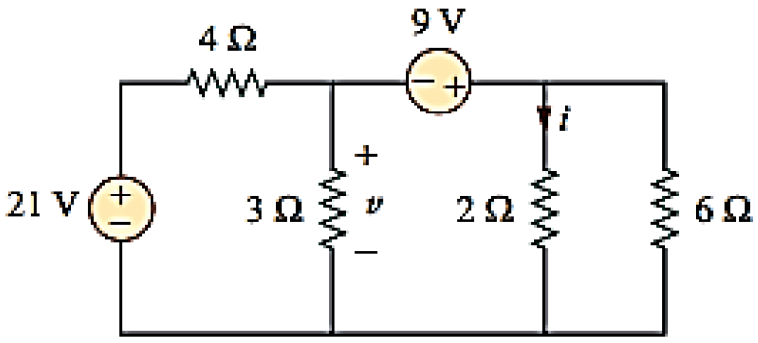
Semester: Fall 2019
Course ID: CSE250
Course Title: CIRCUITS AND ELECTRONICS
Full Marks: 10
Quiz: 3

A

Section: 14
Faculty: SHS
Time: 10 minutes
Date: October 23, 2019

[Plagiarism will be punished.]

1.



a) Which circuit solving method are you using to solve the problem?

   i. Nodal Analysis

   ii. Mesh Analysis

b) Identify and Label all the nodes/meshes in the circuit diagram (depending on whichever method you're using. Use pencil or blue colored pen to draw on the figure.)

How many parameters do you have to solve? Answer:

c) Is there any known parameters (voltage/currents) in your problem? If so, what's the value of that parameter? (Write the label of the parameter as well. For example, $v_0 = 0V$)

Answer:

d) Do you need to use Supernode/Supermesh in your problem? If so, Write equations for the Supernode/Supermesh in this section.

A

e) Write other equations necessary to solve the problem in this section.

f) Solve the equations and calculate all the parameters of your circuit.

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B

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Time: 10 minutes
Date: October 23, 2019

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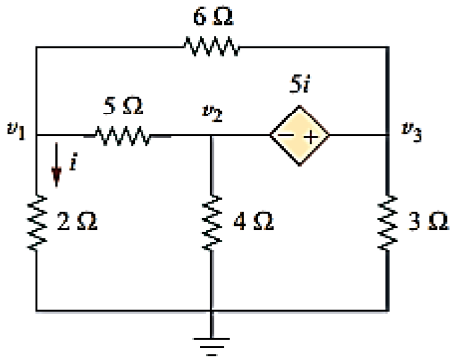
1.



a) Which circuit solving method are you using to solve the problem?

   i. Nodal Analysis

   ii. Mesh Analysis

b) Identify and Label all the nodes/meshes in the circuit diagram (depending on whichever method you're using. Use pencil or blue colored pen to draw on the figure.)

How many parameters do you have to solve? | Answer:

c) Is there any known parameters (voltage/currents) in your problem? If so, what's the value of that parameter? (Write the label of the parameter as well. For example, $v_0 = 0V$)

Answer:

d) Do you need to use Supernode/Supermesh in your problem? If so, Write equations for the Supernode/Supermesh in this section.

B

e) Write other equations necessary to solve the problem in this section.

f) Solve the equations and calculate all the parameters of your circuit.

ID:	Name:

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C

Section: 14
Faculty: SHS
Time: 10 minutes
Date: October 23, 2019

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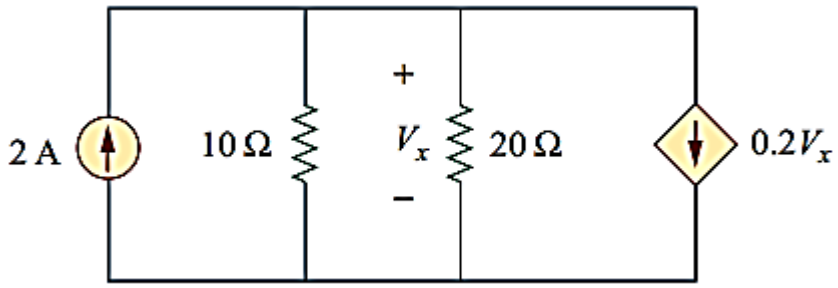
1.



a) Which circuit solving method are you using to solve the problem?

   i. Nodal Analysis

   ii. Mesh Analysis

b) Identify and Label all the nodes/meshes in the circuit diagram (depending on whichever method you're using. Use pencil or blue colored pen to draw on the figure.)

How many parameters do you have to solve? | Answer:

c) Is there any known parameters (voltage/currents) in your problem? If so, what's the value of that parameter? (Write the label of the parameter as well. For example, $v_0 = 0V$)

Answer:

d) Do you need to use Supernode/Supermesh in your problem? If so, Write equations for the Supernode/Supermesh in this section.

C

e) Write other equations necessary to solve the problem in this section.

f) Solve the equations and calculate all the parameters of your circuit.

ID:	Name:

BRAC University

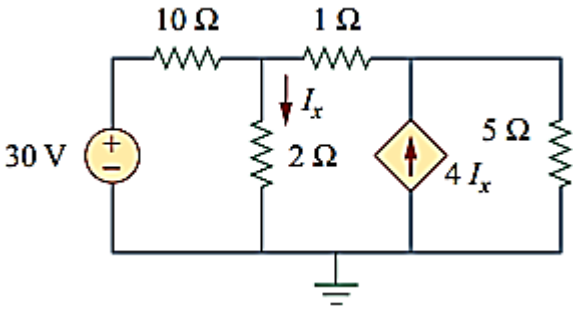
Semester: Fall 2019
Course ID: CSE250
Course Title: CIRCUITS AND ELECTRONICS
Full Marks: 10
Quiz: 3

D

Section: 14
Faculty: SHS
Time: 10 minutes
Date: October 23, 2019

[Plagiarism will be punished.]

1.



a) Which circuit solving method are you using to solve the problem?

   i. Nodal Analysis

   ii. Mesh Analysis

b) Identify and Label all the nodes/meshes in the circuit diagram (depending on whichever method you're using. Use pencil or blue colored pen to draw on the figure.)

How many parameters do you have to solve? Answer:

c) Is there any known parameters (voltage/currents) in your problem? If so, what's the value of that parameter? (Write the label of the parameter as well. For example, $v_0 = 0V$)

Answer:

d) Do you need to use Supernode/Supermesh in your problem? If so, Write equations for the Supernode/Supermesh in this section.

D

e) Write other equations necessary to solve the problem in this section.

f) Solve the equations and calculate all the parameters of your circuit.
