Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (please print)

Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ECE 2201 – Quiz #5

June 29, 2020

1. You may use one 8.5” x 11” crib sheet, or its equivalent. Do not communicate with anyone except Dr. Dave Shattuck while you are taking this quiz.

2. Show all work necessary to complete the problem. Use additional sheets of paper as needed. A solution without the appropriate work shown will receive no credit. A solution which is not given in a reasonable order will lose credit. Include this page with your printed name and signature, or include a different, separate page with your printed name and signature. Failure to do this will result in points being deducted.

3. Show all units in solutions, intermediate results, and figures. Units in the quiz will be included between square brackets.

4. Do not use red ink. Do not use red pencil.

5. You will have 30 minutes to work on this quiz, plus additional time to print, scan and email your work. Email your completed quiz to [Shattuck@uh.edu](mailto:Shattuck@uh.edu). It must be sent by 3:50pm, or points will be deducted.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_/20

Use the mesh-current method to write a complete set of independent equations that could be used to solve the circuit below. Define all variables appropriately. Do not attempt to simplify the circuit. Do not attempt to simplify or solve your equations.





