

Name: \_\_\_\_\_

## EGR 220 Homework Self-Assessment<sup>1</sup>

### First Attempt ON YOUR OWN (no consultation with friends, master tutor or others)<sup>2</sup>

Set up each problem on a new page by doing the following:

- Write a *Problem Statement* that identifies what information is given (including the circuit diagram, well-labeled) and what you need to find.
- Identify the *Problem Type*. What concepts, theories or laws will you apply to solve the problem?
- Outline a *Solution Plan* that identifies the steps or approach required to solve the problem.

Now solve the problem (if your actual solution varies from your solution plan, make a note of this).

- Be sure to indicate any assumptions you make.
- Work the problem to the end, or as far as you can, and provide a numerical answer with units (unless this is not applicable). Try to reach some answer or solution, even if you think it is not correct. Trying here will help you better identify possible, initial misunderstanding.

### Work with others – friends and/or master tutors

- ... to the extent that you want to do this.

### Self-Correction and revision using posted solutions:

- *If your solution was incorrect*, identify error (concept, math, etc.) and where they occurred. Rework the problem from the point of your first error using a different color of ink.
- *If your solution was correct*, identify any places where it differs significantly from the posted solution.

### Certification

I collaborated with the following people on this homework:

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*I affirm (1) my collaboration statement is complete and correct; (2) I did not consult with other students before attempting each problem on my own; and (3) I have accurately delineated initial and final attempts using two different colors of pencil/ink.*

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

### Self-Grading

Circle your self-assigned grade:      0            1            2            3

0 = Little or no work completed.

1 = A first and second attempt were made on some problems.

2 = A full first and second attempt were made on all problems.

3 = A full first and second attempt were made on all problems. If major revisions were required on problems, your submission also includes a thoughtful yet brief (a few sentences at the most) reflection indicating your initial ideas; how they changed during the revision process; and what knowledge gaps (if any) still remain to be addressed. Make sure your thoughts are legible and easy to read.

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<sup>1</sup> To be submitted as a cover page with each homework assignment.

<sup>2</sup> You are encouraged to work together to better understand the concepts in the problem sets. However, you will learn more if you first attempt each problem on your own.