Lehigh University

Civil & Environmental Engineering Department

Instructions for Homework Assignments

Name: **Last, First** **CEE ### – Course name** **Date:** _____

Homework Set #

Problem #.#: Brief Statement of the Problem

Required:

Solution:

(the following instructions must be followed to receive full credit)

1. Use 8.5”x11” quadrille (grid) paper and staple your homework at the top left hand corner, use pencil (not pen) for your solutions.
2. Clearly tabulate/list the given variables and their values, and identify the required unknowns.
3. Include neat, proportionate, clear drawings showing all quantities involved. Use a ruler or straight edge (freehand drawings are not acceptable).
4. List any existing assumptions necessary for obtaining the solution (have to identify the applicable method of solution to the problem prior to this).
5. Draw the pertinent diagram for the solution method demonstrating the layout or orientation as a part of developing your solution.
6. You must state clearly the valid equation/s and relationships used in your solution. This may be repeated as needed. The solution must be based on the fundamental principles of the topic.
7. Follow appropriate rules of algebra and calculus to manipulate equations.
8. Specify the units of each quantity as you proceed.
9. Your numerical answers should follow the requirements of the significant figures.
10. Check your answers carefully; your submitted work should be the proof of your mastering the topic, not a step/attempt towards learning the material (study before you attempt to solve!).
11. Highlight your answer(s) as shown on the right. Answer
12. Solution to a new problem *may* start on a new (next) page. Do not write on the back of the page.
13. Failure to follow the instructions above will cost you credit points.

Name: Last, First _____ **CEE 101 – Intro. To CEE** **Date:** _____

Homework Set 1

Problem 1.