

CVEEN 2140 – STRENGTH OF MATERIALS - HOMEWORK NO. 2

HONOR PLEDGE:

On my honor as a student of the University of Utah, I have neither given nor received unauthorized aid on this assignment.

Name (Print)

Signature

Date

From the textbook (*Mechanics of Materials* by F. P. Beer, E. R. Johnston, Jr., J. T. DeWolf, and D. F. Mazurek, 5th Ed., McGraw-Hill, New York, 2009), do the following problems from p. 18:

1.1

1.4

Also do the following supplemental problem:

Supplemental Problem

For each of the following equations, determine the value of x to the appropriate number of significant figures. **Clearly explain how you determine the appropriate number of significant figures to use for each equation.**

a. $x = \frac{(12.312)(0.0349)}{\pi(9.99347)(114.3436789)}$

b. $x = 1013.22 + 12.416 - 0.347619$

IMPORTANT NOTICE – PLEASE READ BEFORE STARTING ASSIGNMENT

All homework assignments must meet the formatting and style requirements for the Department of Civil & Environmental Engineering. A summary of these requirements is given on p. 4 of the course syllabus, with details provided in the style guide (*Homework Requirements.pdf*). Both the syllabus and style guide can be downloaded from the course website at the following URL:

<http://www.civil.utah.edu/~cv2140/>

Attach this assignment sheet with your name and signature to the front of your completed assignment, or on the first page of your assignment, write out the honor pledge shown above and sign it.