

CE 4010/6010

Homework #1

Assigned: Thursday, January 9, 2014
Due: Tuesday, January 14, 2014; end of class

Homework must be done neatly in pencil, on 8 1/2" x 11" paper, stapled together. Each step must be easily followed; diagrams are useful. State your assumptions. Homework that is not neat and legible may be rejected. Staple the question sheet to the front of your homework.

Make Sure To Include The Cover Page!

Problem 1: (100 points) Calculate the reaction forces for the given beam using both Force (*method of consistent deformations*) and Displacement (*moment distribution method*) methods. Draw shear and bending moment diagrams.

