Homework Format

Please use the following requirements for submitting homework:

1. Submit hand-written homework on engineering paper or graph paper. Computer printout is acceptable if it can convey all the information required.

2. Answer all problems in the following manner:

   a. <u>Given</u>: *AISI 102 steel beam with L=6 m, w=4 cm, h=3 cm, and subjected to the following transverse loads (draw a simple picture if necessary)…*

   b. <u>Find:</u> *Maximum bending stress, s …*

   c. <u>Assumptions:</u> *Isotropic, linear-elastic material, E = 203 GPa (Dowling, Table 3.13), and under static conditions …*

   d. <u>Free Body Diagram</u>: *Be neat.*

   e. <u>Solution:</u> *Show your steps*

3. Please organize your work from left to right and down the page. Do not jump around the page randomly. Show your steps.

4. Box all answers.

5. Use arrows or other means, e.g. labeling equations, to convey where information came from, if it is not obvious.

6. If using a spreadsheet program, include a page showing all calculations.