

Due on Sunday 14-1-1430 / 11-1-2009 (any time)

Deadline for submission: **Monday 15-1-1430 / 12-1-2009 (before you sit in class)**

- 1- In Fig. P1 shown, determine the internal forces at A , B , and C . [Sec. 7.1] (15 pts.)
- 2- Determine the internal forces acting on the cutting plane shown in Fig. P2. [Sec. 7.1] (15 pts.)
- 3- For the beam shown in Fig. P3, determine the equations and draw the diagrams for the shear force and bending moment. [Sec. 7.2] (20 pts.)
- 4- For the beam shown in Fig. P4, determine the equations and draw the diagrams for the shear force and bending moment. [Sec. 7.2] (20 pts.)
- 5- For the beam shown in Fig. P5, determine the equations and draw the diagrams for the shear force and bending moment. [Sec. 7.2] (30 pts.)

Fig. P1

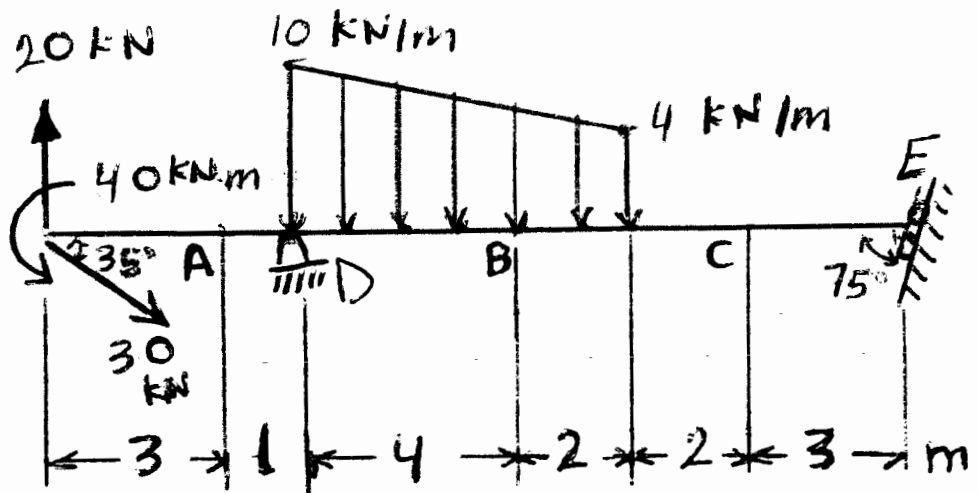
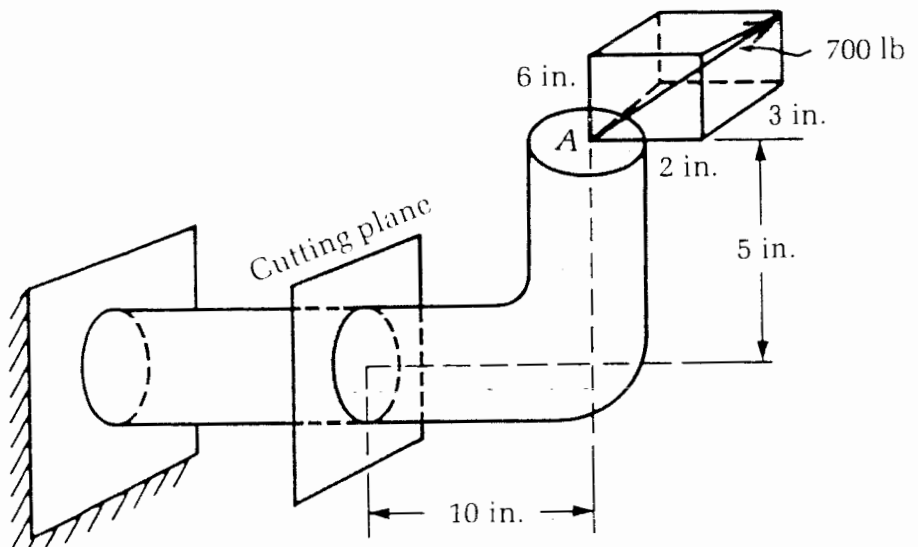
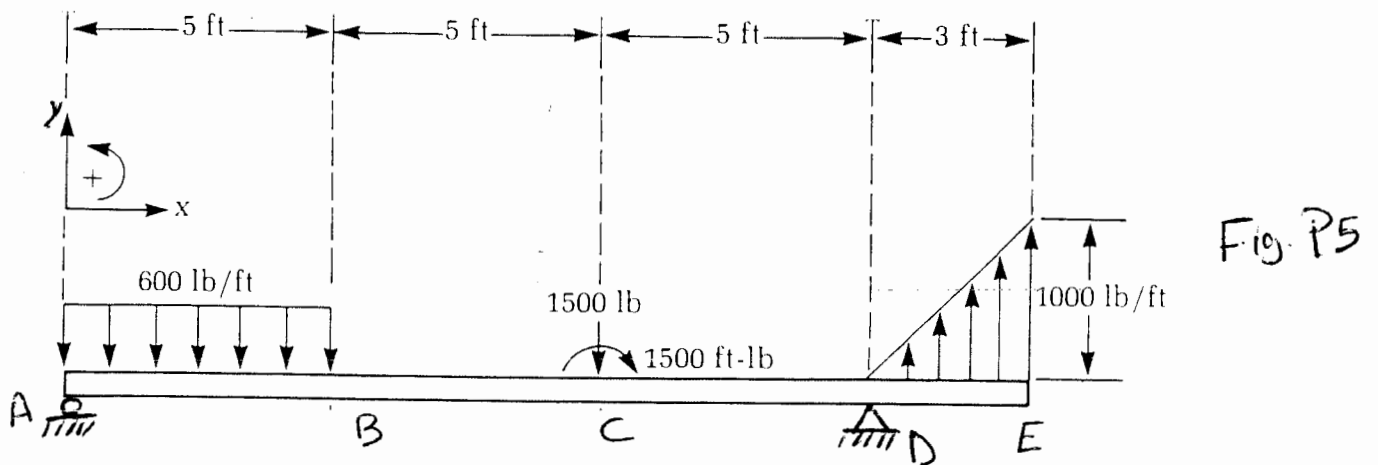
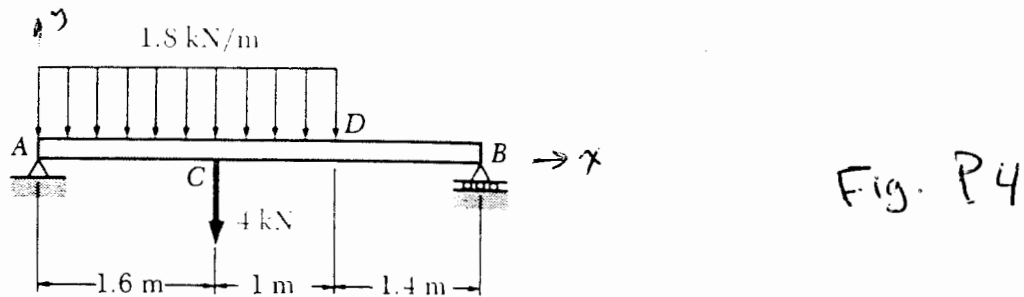
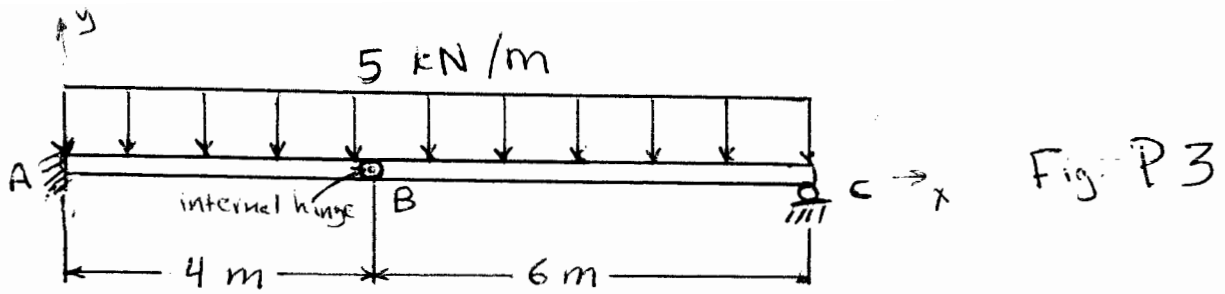


Fig. P2





Do your work yourself!! Remember that the homework carries about 15% of the course grade; in addition, *solving it is the best way to understand the subject.* Of course, you can seek my help anytime in the homework as well as in anything else.

As an engineer, review the guidelines for submitting homework assignments given to you in class BEFORE you start solving and writing the homework. FOLLOW ALL THESE GUIDELINES. Cheating, copying, etc. is!!!!!!