

H.W. # 10

Due on Wednesday 2-12-1428 / 12-12-2007 (any time)

Deadline for submission: **Saturday 19-12-1428 / 29-12-2007 (before you sit in class)**

- 1- In Fig. P1 shown, determine the internal forces at A , B , and C . [Sec. 7.1] (10 pts.)
- 2- In Fig. P2 shown, determine the internal forces at C . [Sec. 7.1] (15 pts.)
- 3- For the beam shown in Fig. P3, determine the equations and draw the shear force and bending moment diagrams. [Sec. 7.2] (20 pts.)
- 4- For the beam shown in Fig. P4, determine the equations and draw the shear force and bending moment diagrams. [Sec. 7.2] (25 pts.)
- 5- For the beam shown in Fig. P5, determine the equations and draw the shear force and bending moment diagrams. [Sec. 7.2] (30 pts.)

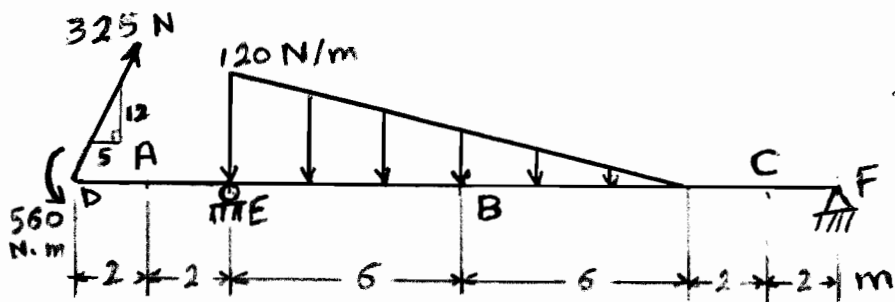


Fig. P1

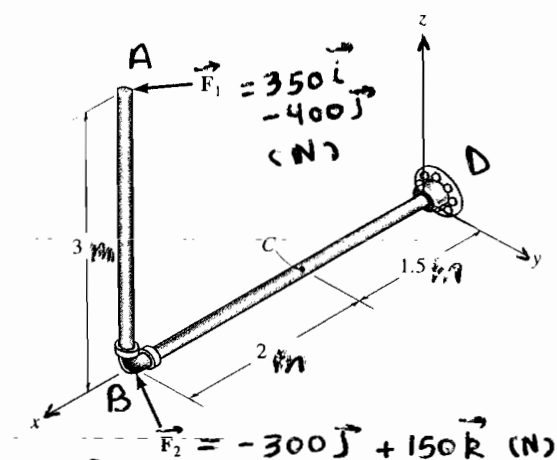


Fig. P2

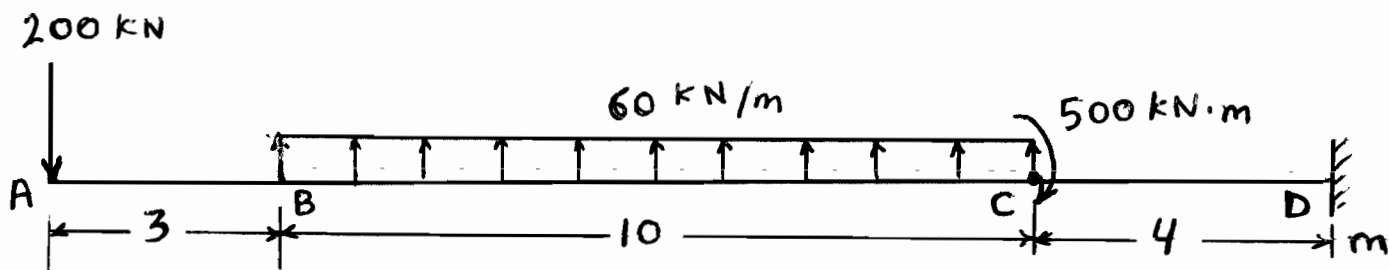


Fig. P3

Do your work yourself!! Remember that the homework carries 20% 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. **DO NOT** SUBMIT THE HOMEWORK IF YOU DO NOT FOLLOW ALL THESE GUIDELINES. Cheating, copying, etc. is!!!!!!

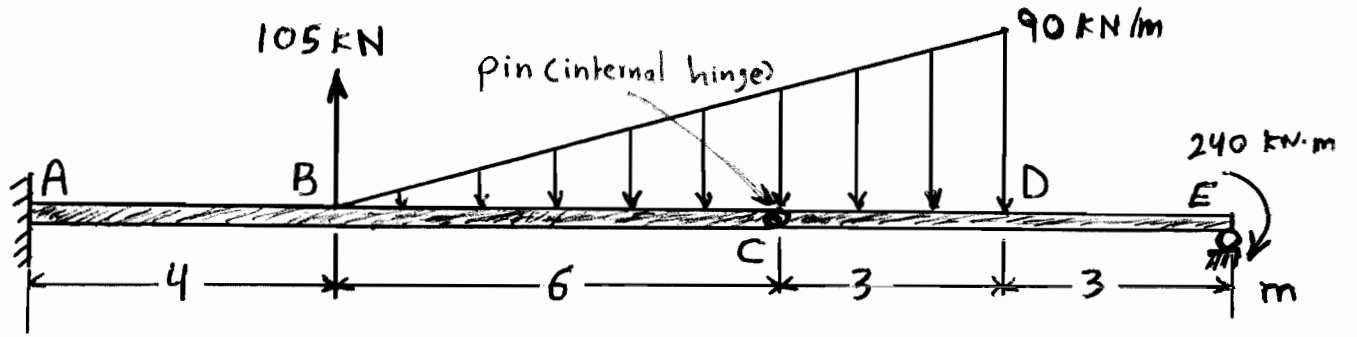


Fig. P4

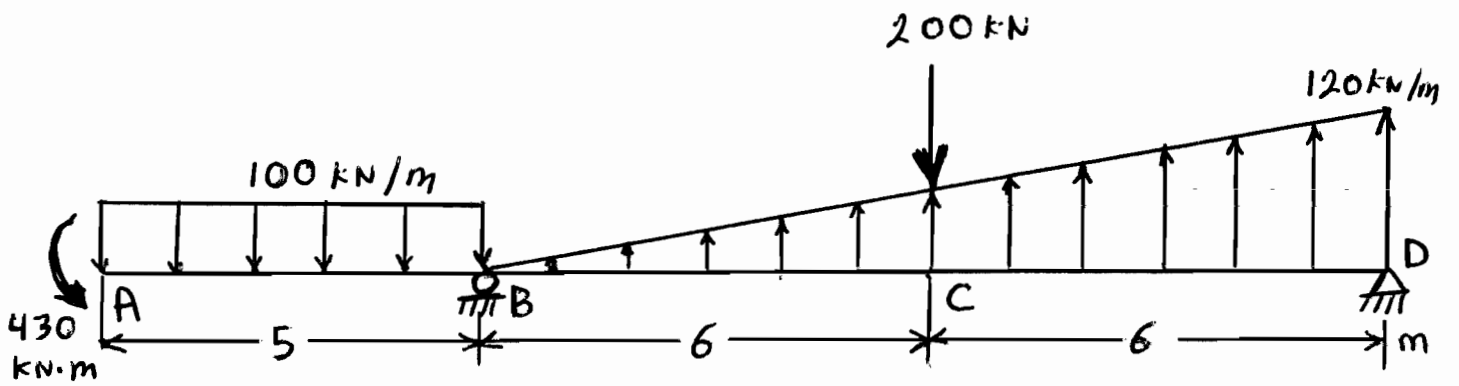


Fig. P5