

CE 201 STATICS (Sections 4 & 6)

First Semester 1429-30 / 2008-09 (081)

H.W. # 9

**Due** on Sunday 30-12-1429 / 28-12-2008 (any time)

**Deadline** for submission: **Monday 1-1-1430 / 29-12-2008 (before you sit in class)**

- 
- 1- Determine the forces on the members of the frame shown in Fig. P1. [Sec. 6.6] (20 pts.)
  - 2- In the frame shown in Fig. P2, Determine the forces on member *ABC*. [Sec. 6.6] (15 pts.)
  - 3- Determine the forces on member *ABCD* in the frame shown in Fig. P3. [Sec. 6.6] (20 pts.)
  - 4- What is the value of the force exerted by the pliers, shown in Fig. P4, on the bolt at *A*? *B* is a pinned connection. [Sec. 6.6] (15 pts.)
  - 5- Determine the forces on member *ACDE* at points *A* and *E* in Fig. P5 shown. [Sec. 6.6] (30 pts.)
- 

Fig. P1

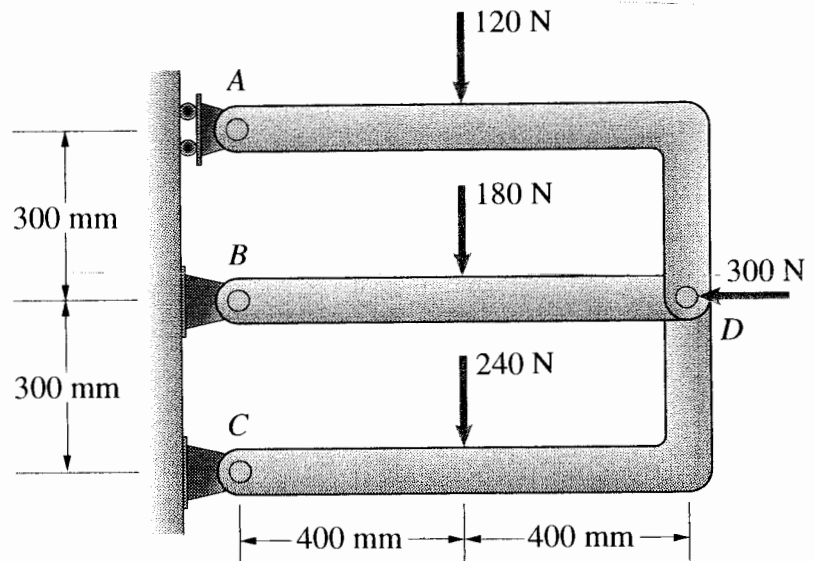


Fig. P2

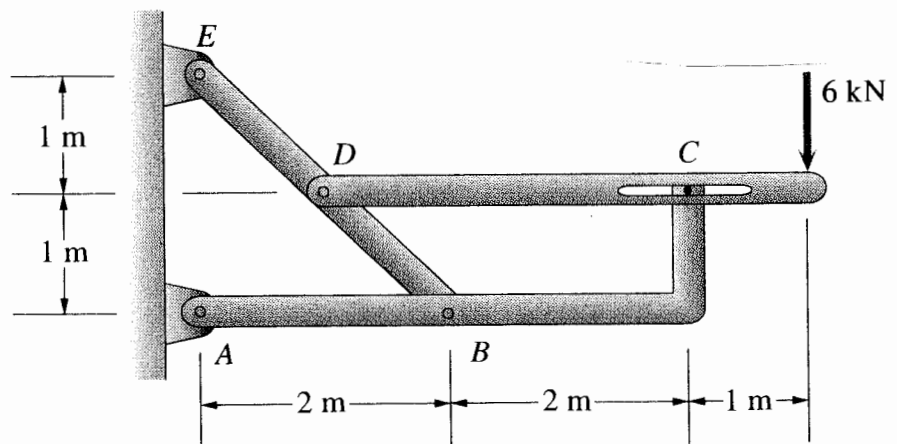


Fig. P3

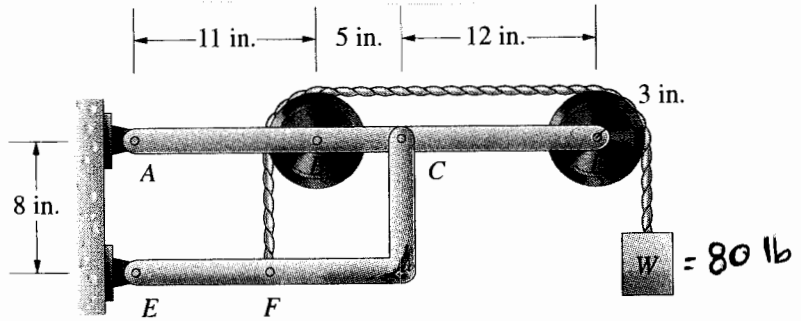


Fig. P4

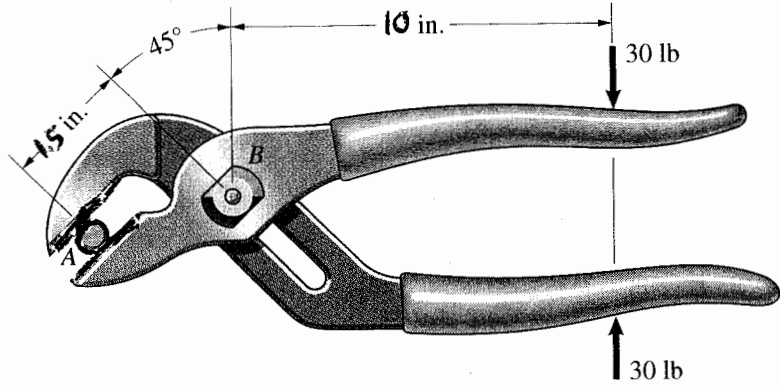
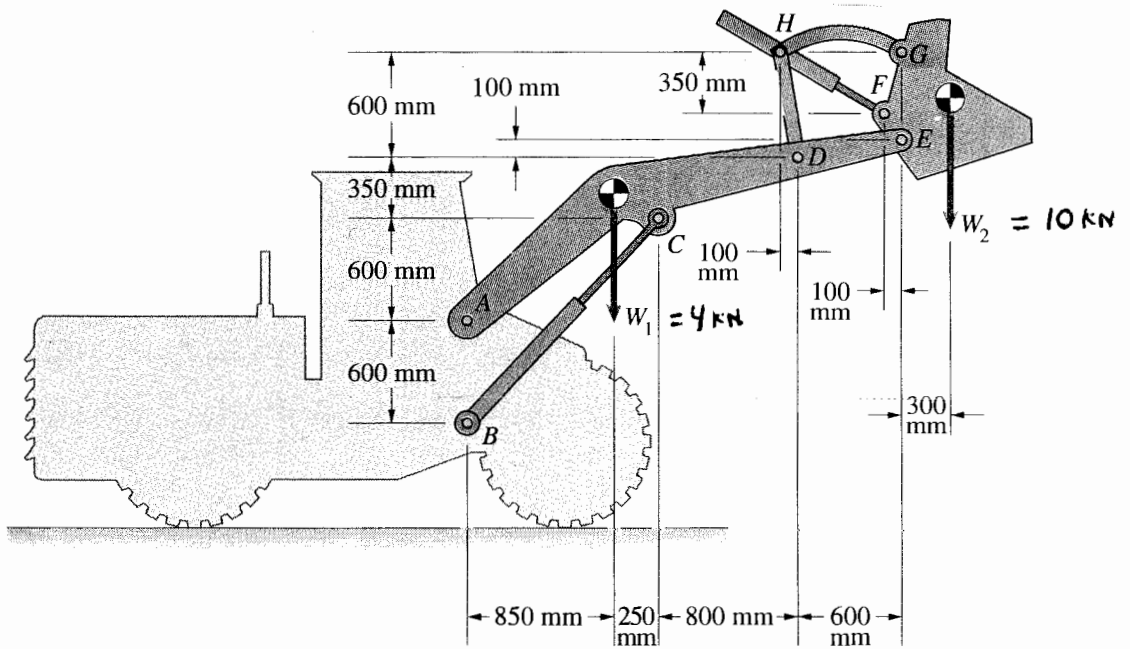


Fig. P5



**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 .....!!!!!!