## Announcements

• Quiz 3 this week.

- ☐ Upcoming deadlines:
- Tuesday (10/9)
  - PL HW
- Friday (10/12)
  - WA

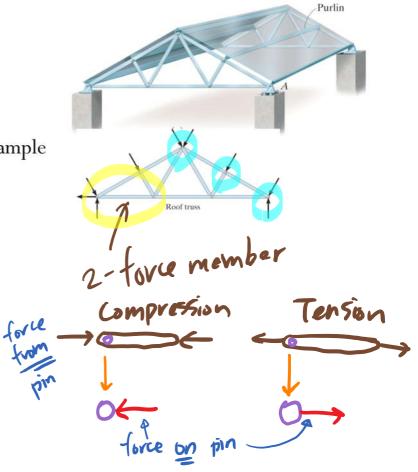


1

## Objectives

12:46 PM

- Truss Analysis
  - Method of joints/pins example
  - Zero force member



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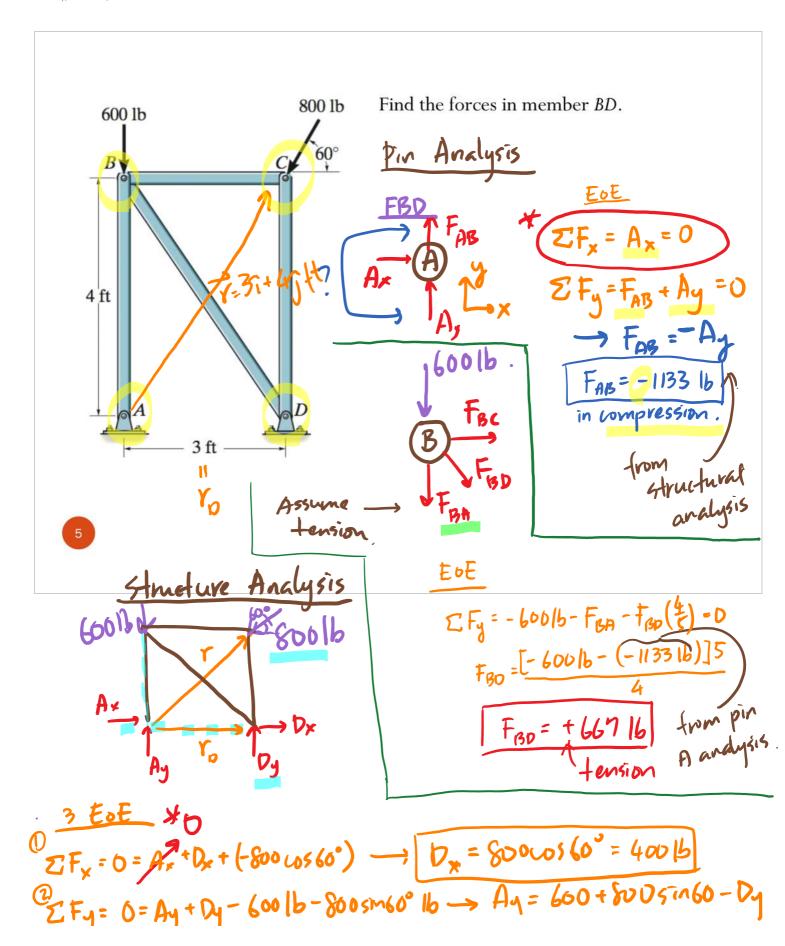
## Tension vs. Compression



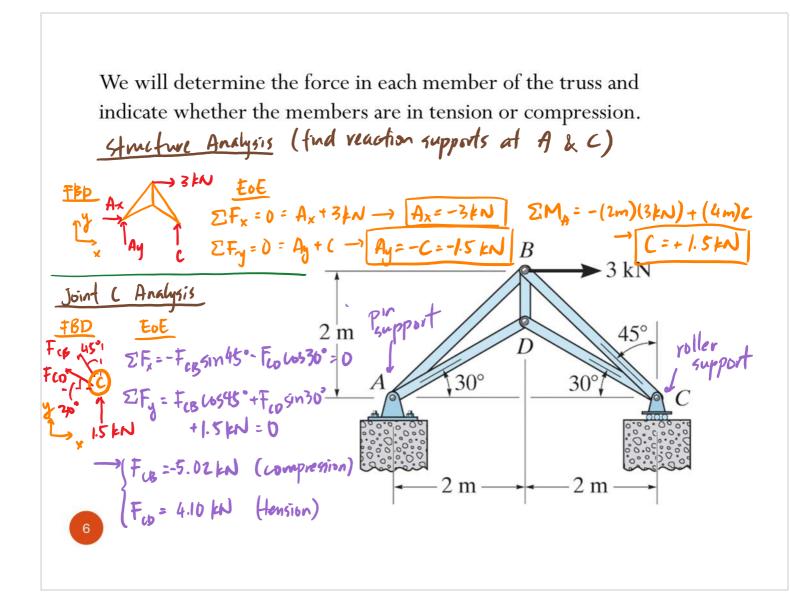


Rigid bodies respond differently to tension versus compression. (YouTube Clips)





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## Zero-force members

- Particular members in a structure may experience no force for certain loads.
- Zero-force members are used to increase stability
- Identifying members with zero-force can expedite analysis.

