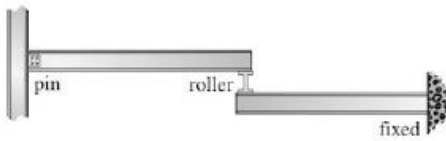


## Homework #1

Note: Make sure to draw Free Body Diagrams for each problem.

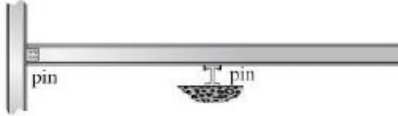
**Problem 1:** Classify each of the structures as statically determinate, statically indeterminate, stable, or unstable. If indeterminate, specify the degree of indeterminacy. The supports or connections are to be assumed as stated.



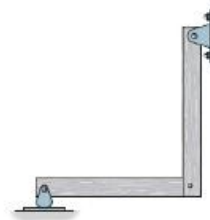
a)



b)



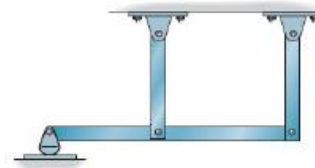
c)



d)



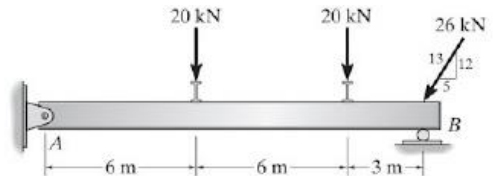
e)



f)

### Problem 2:

- a) Determine the reactions at the supports A and B. Neglect the thickness of the beam.



- b) Determine the reactions at the supports A, B and C. Assume there is a pin at C.

