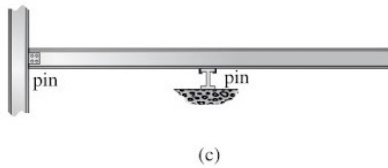
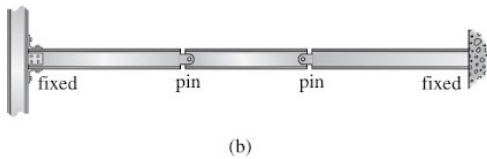
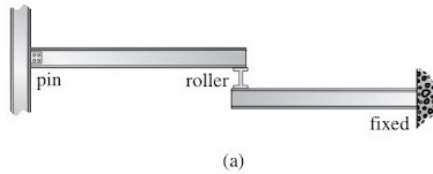


Homework #1

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

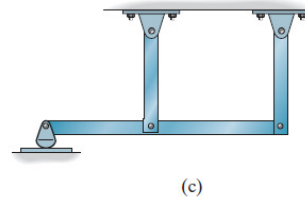
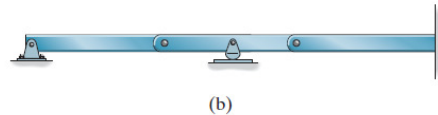
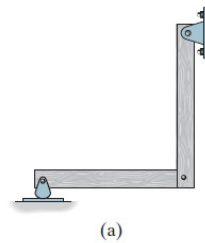
Problems 2.13, 2.15, 2.18, 2.21

2-13. 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.

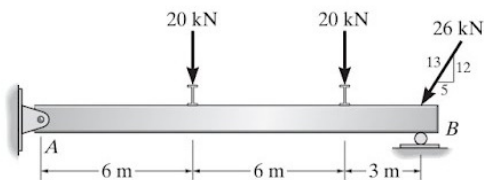


Prob. 2-13

2-15. Classify each of the structures as statically determinate, statically indeterminate, or unstable. If indeterminate, specify the degree of indeterminacy.

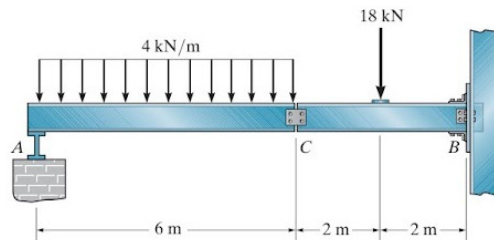


2-18. Determine the reactions on the beam. Neglect the thickness of the beam.



Prob. 2-18

2-21. Determine the reactions at the supports A and B of the compound beam. Assume there is a pin at C.



Prob. 2-21