Kuwait University
Civil Engineering Department
CE371 - Structural Analysis II

Homework #2

Name:

ID:

Date:

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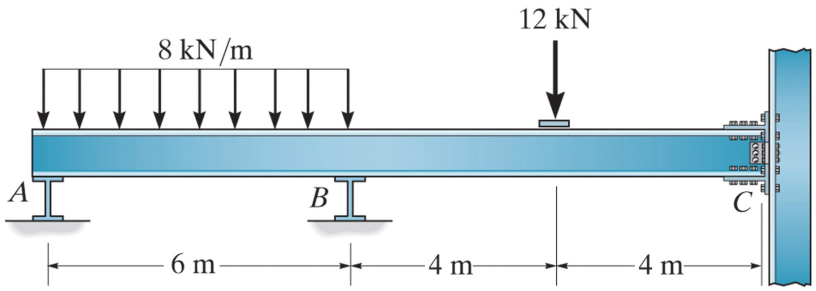
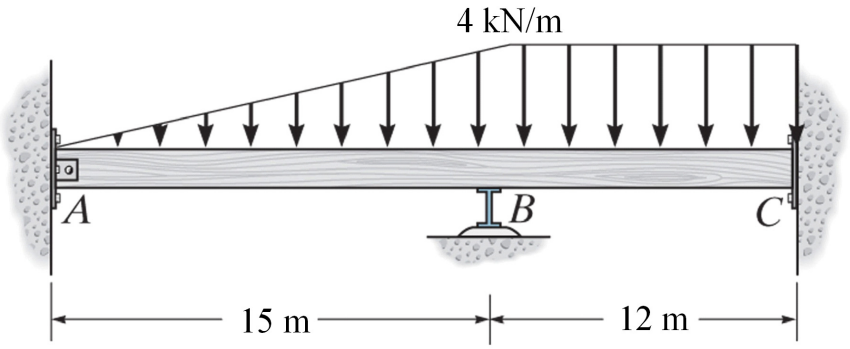
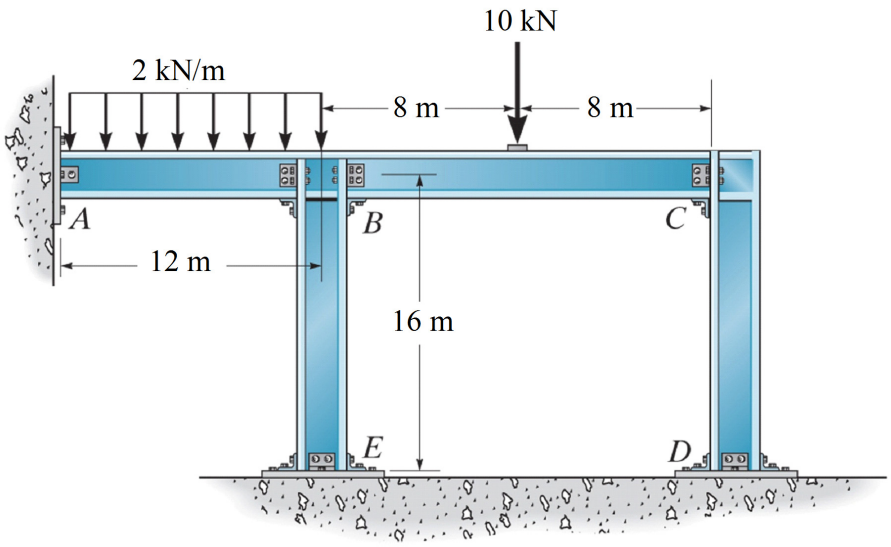
Using moment distribution method, determine the moments at ***B*** and ***C***, then draw the moment diagram for the beam. Assume ***C*** is a fixed support. ***EI*** is constant.



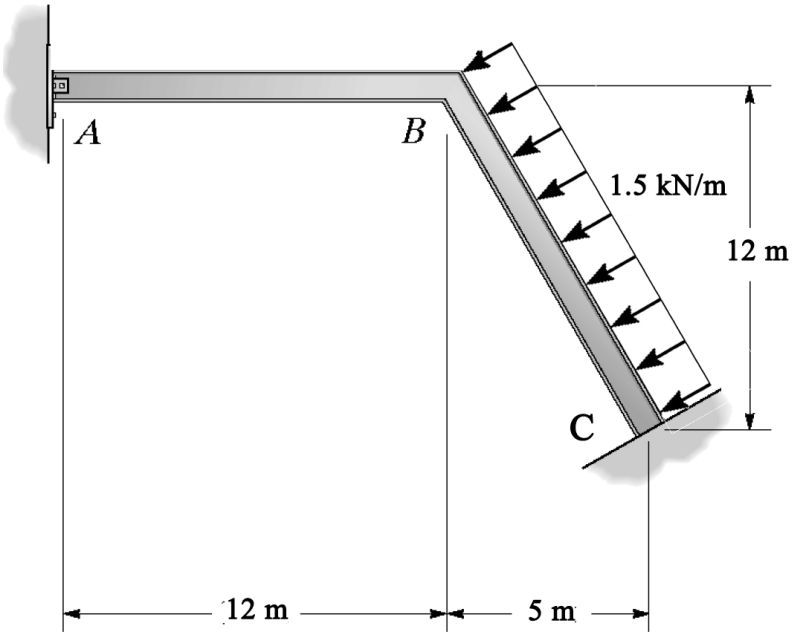
Using moment distribution method, determine the moment at ***B***, then draw the moment diagram for the beam. Assume the support at ***A*** is pinned, ***B*** is a roller and ***C*** is fixed. ***EI*** is constant.



Using moment distribution method, determine the moments at ***B*** and ***C***, then draw the moment diagram for each member of the frame. Assume the supports at ***A***, ***E***, and ***D*** are fixed. ***EI*** is constant.



Using moment distribution method, determine the moment at ***B***, then draw the moment diagram for each member of the frame. Support ***A*** is pinned. ***EI*** is constant.



Determine the moments at ***C*** and ***D***, then draw the moment diagram for each member of the frame. Assume the supports at ***A*** and ***B*** are pins. ***EI*** is constant.