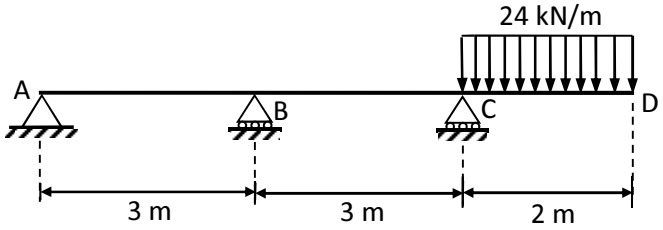
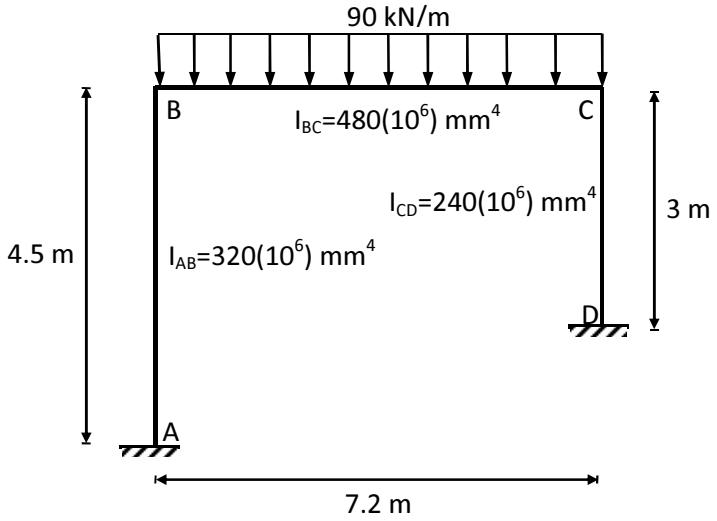
CE 383 STRUCTURAL ANALYSIS
Fall Term, 2011
Homework #3

Due: 05.12.2011

1- Determine the moments at B and C of the overhanging beam using slope-deflection method, then draw the bending moment diagram, EI is constant.



2- Determine the internal moments at the ends of each member using slope-deflection method, then draw the bending moment diagram. The moment of inertia of each member is indicated in the figure. Members are axially rigid. E=200 GPa



3- Determine the internal moments at the ends of each member using slope-deflection method, then draw the bending moment diagram. Members are axially rigid. EI is the same for all members.