# CE 383 STRUCTURAL ANALYSIS
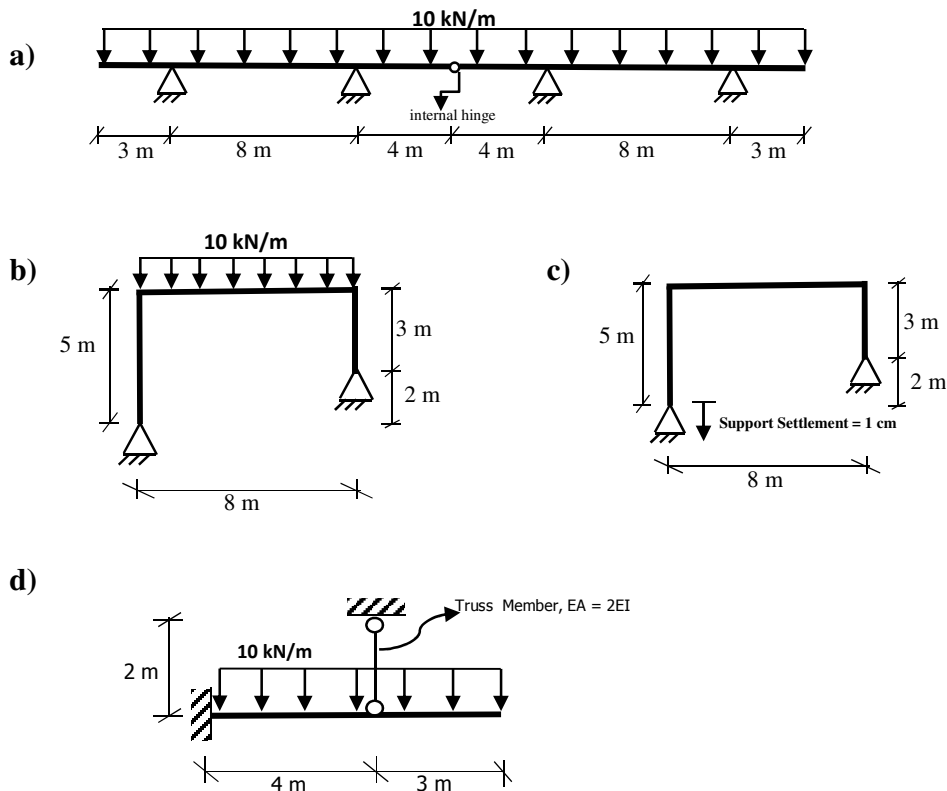FALL 2014

# HOMEWORK 3
DUE: 15.12.2014 @ 13.00

**Homework assignments submitted past the deadline will be accepted subject to a 20% deduction per day. Submit your homework assignments to the CE 383 box at the entrance of the K2 building.**

**Q1)** Analyze the following structures using slope-deflection method. Calculate the support reactions and draw bending moment diagram. Assume axial rigidity for all beam and frame members.



**Q2)** Analyze the following structures using moment-distribution method. Calculate the support reactions and draw bending moment diagram. Assume axial rigidity for all beam and frame members.