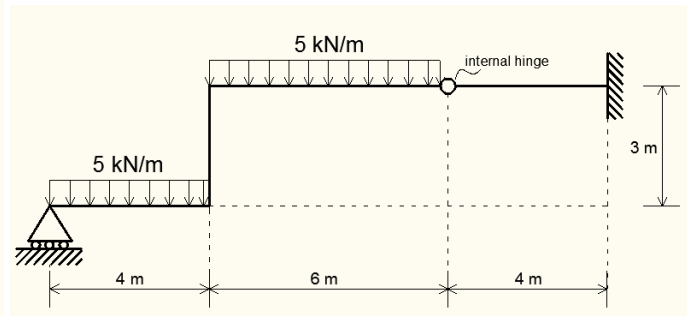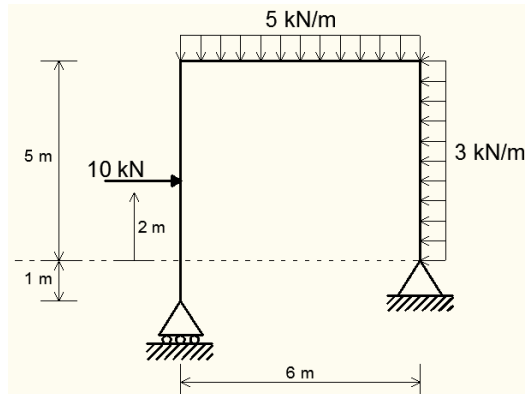# Homework 1

Q1) For the given structures, calculate the support reactions, draw the internal force diagrams and determine the equations of the moments for each member? Also sketch the deformed shape of the structures? Show your sign convention?

Q2) Calculate the vertical deflection at point A using

  a) By integration
  b) Moment – Area Method
  c) Work and Energy Principles

* Assume axial rigidity and all members have the same and constant EI.