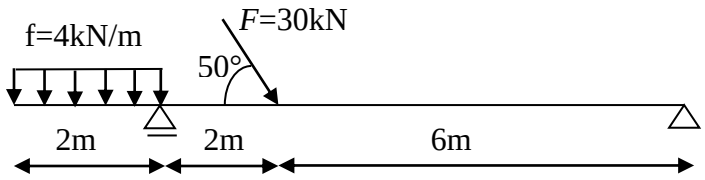
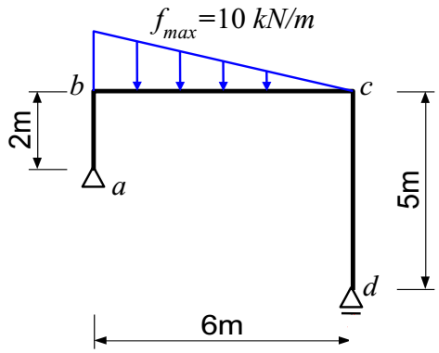
Name	ST02 – semester test no. 1 March 14, 2016

1) Draw the distribution of internal forces M, N, V on a given structure. Determine the location and the magnitude of the maximal bending moment M. [6 pts.]



2) For each interval write all internal forces as a function of position coordinate. Draw the distribution of internal forces M, N, V on a given structure. Determine the location and the magnitude of the maximal bending moment M. [7 pts.]



3) The distribution of bending moment is known. Plot the corresponding distribution of shear force and load of the beam. [4 pts.]