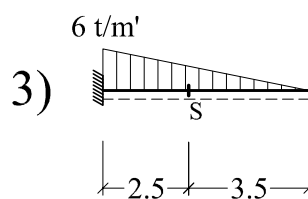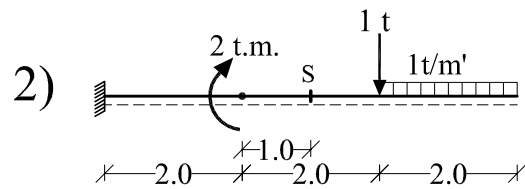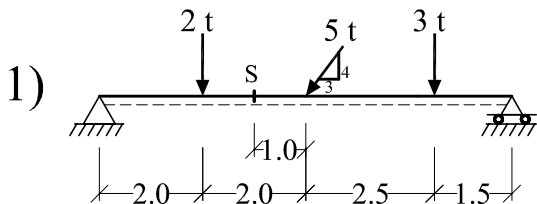Calculate the support reactions and then find the internal forces at the marked section (S) for the following beams:

1)

2)

3)

Draw the NFD, SFD and BMD for the following beams:

It is required also for problems 6, 7 & 8 to locate the point of zero shear and hence calculate the maximum bending moment value.

4)

5)

6)

7)

8)