

Remarks: [See §12.3, page 495 till 505](#)

Answers:

12.90-1:

a. $M_C = 0 \text{ kNm}$ 
 $M_2 = 18 \text{ kNm}$
 $M_3 = 18 \text{ kNm}$ 
 $V_C = 1,8\sqrt{10} \text{ kN}$ 
 $V_2 = 0 \text{ kN}$
 $V_3 = 1,8\sqrt{10}$ 

b. $N_C = -0,6\sqrt{10} \text{ kN}$
 $N_2 = -3\sqrt{10} \text{ kN}$
 $N_3 = -2,4\sqrt{10} \text{ kN}$