

Remarks: [See §13.2, page 586 till 596](#)

Answers:

a. $M_C = 60 \text{ kNm}$
 $M_G = 40 \text{ kNm}$ both of the same sign:



b. -

c. $A_h = 30 \text{ kN} \rightarrow$
 $A_v = 40 \text{ kN} \uparrow$
 $B_h = 30 \text{ kN} \leftarrow$
 $B_v = 20 \text{ kN} \uparrow$
 $B_m = 40 \text{ kNm}$

d. $F_{KG} = -40\sqrt{2} \text{ kN}$ (compressive force)

e. $M_K = 20 \text{ kNm}$)
 $M_B = 40 \text{ kNm}$ (