

Remarks: See §5.1, page 154 till 162
Especially example 1 on page 154

Answers:

1. $A_h = 0$; $A_v = F$ ($\uparrow$); $A_m = 3Fa$ ($\odot$)
2. $A_h = F$ ($\rightarrow$); $A_v = F$ ($\uparrow$); $A_m = Fa$ ($\odot$)
3. $A_h = F$ ($\leftarrow$); $A_v = F$ ($\uparrow$); $A_m = 7Fa$ ($\odot$)
4. $A_h = 0$; $A_v = 2F$ ($\uparrow$); $A_m = 2Fa$ ($\odot$)
5. $A_h = F$ ($\leftarrow$); $A_v = F$ ($\uparrow$); $A_m = 0$
6. All support reactions are zero because the loads create an equilibrium.