

[Remarks:](#) See § 2.2, page 30 till 32

[Answers:](#)

a. $F_{x;1} = +6,0 \text{ kN}$; $F_{y;1} = +1,5 \text{ kN}$; $F_{z;1} = -2,0 \text{ kN}$

$$\alpha_{x;1} = 22,6^\circ; \alpha_{y;1} = 76,7^\circ; \alpha_{z;1} = 107,9^\circ$$

b. $F_{x;2} = +12,5 \text{ kN}$; $F_{y;2} = -7,5 \text{ kN}$; $F_{z;2} = +10,0 \text{ kN}$

$$\alpha_{x;2} = 45,1^\circ; \alpha_{y;2} = 115,1^\circ; \alpha_{z;2} = 55,6^\circ$$