

Remarks: See §3.2, page 71 till 80

Hints:

Draw a force polygon

Answers:

1. $F_{//AB} = +\sqrt{2} \text{ kN}$
 $F_{\perp AB} = -6\sqrt{2} \text{ kN}$

2. $F_{//AB} = -6\sqrt{2} \text{ kN}$
 $F_{\perp AB} = +\sqrt{2} \text{ kN}$

3. $F_{//AB} = -2\sqrt{5} \text{ kN}$
 $F_{\perp AB} = -3\sqrt{5} \text{ kN}$

4. $F_{//AB} = -10 \text{ kN}$
 $F_{\perp AB} = -5 \text{ kN}$