Remarks: See §3.1.8 and §3.1.9, page 68 till 71

Hints:

See the example on page 66

You can find F_a from the moment equilibrium about the intersection of the lines of action of b and c. F_b and F_c then follow from: $\vec{F}_b + \vec{F}_c = \vec{F} - \vec{F}_a$, where $\vec{F}$ is the given force of 100 kN.

You can work this out graphically or analytically. (See page 27)

Answers:

$F_a = 180$ kN ($\downarrow$)
$F_b = 50$ kN ($\nwarrow$)
$F_c = 50$ kN ($\nearrow$)