Remarks: See § 2.1, page 24 till 27

Answers:

a. Draw a force polygon and measure the values:

$R \approx 10$ kN

Angle that R makes with the positive x-axle: $45°$

b. $R_x = R_y = +7$ kN

$R = 7\sqrt{2}$ kN $= 9,9$ kN

Angle that R makes with the positive x-axle: $45°$