

Remarks: See §3.1.2 and §3.1.3, page 55 till 57

Hint:

Draw the lines of action figure

Answers:

- 1a.  $R = 2F\sqrt{5}$   
 $\alpha = 63,4^\circ$  ( $\alpha$  is the angle that R makes with the positive y-axle)
- 1b.  $R_y = 2F$  ;  $R_z = 4F$
- 1c. The action line of R intersects the y-axle in  $y = 0$
- 2a.  $R = 4F$   
 $\alpha = 90^\circ$  ( $\alpha$  is the angle that R makes with the positive y-axle)
- 2b.  $R_y = 0$  ;  $R_z = 4F$
- 2c. The action line of R intersects the y-axle in  $y = +50$  mm