# EXERCISE 1

*Calculate the distance between the points $A(4,3,3)$ and $B(0,3,6)$.*

Calculate the distance between the points A and B.
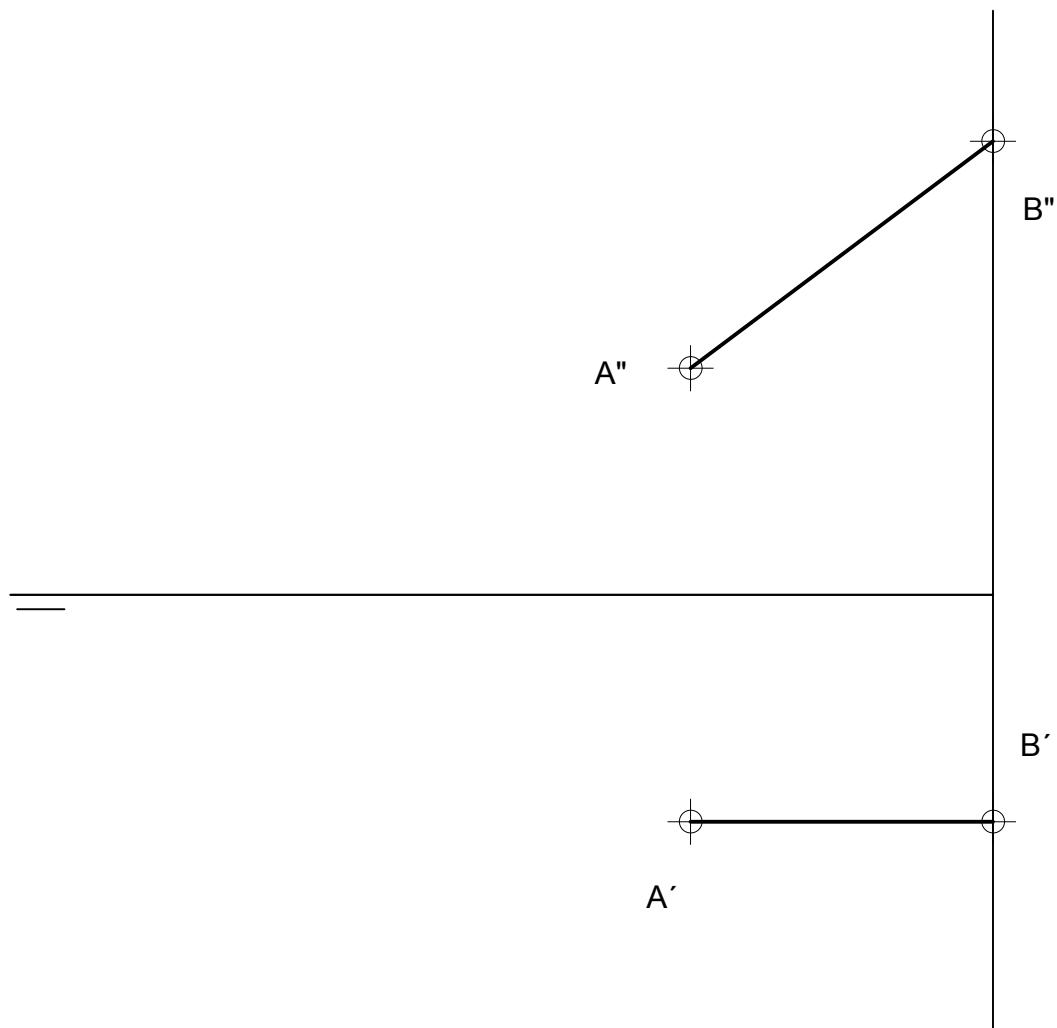
EXERCISE 2

*Calculate the distance from the point $A(1,0,1)$ to the plane $\alpha : 4x + y + 4z = 36$.*

Calculate the distance between the point A and the plane α.

Elisabete Alberdi Celaya, Irantzu Álvarez González, Œã ã^¦ÁÑ} : ˇœa(Ù,&@ĕ ¦à^ÊMª Isabel Eguia Ribero Áœ â Mª José García López
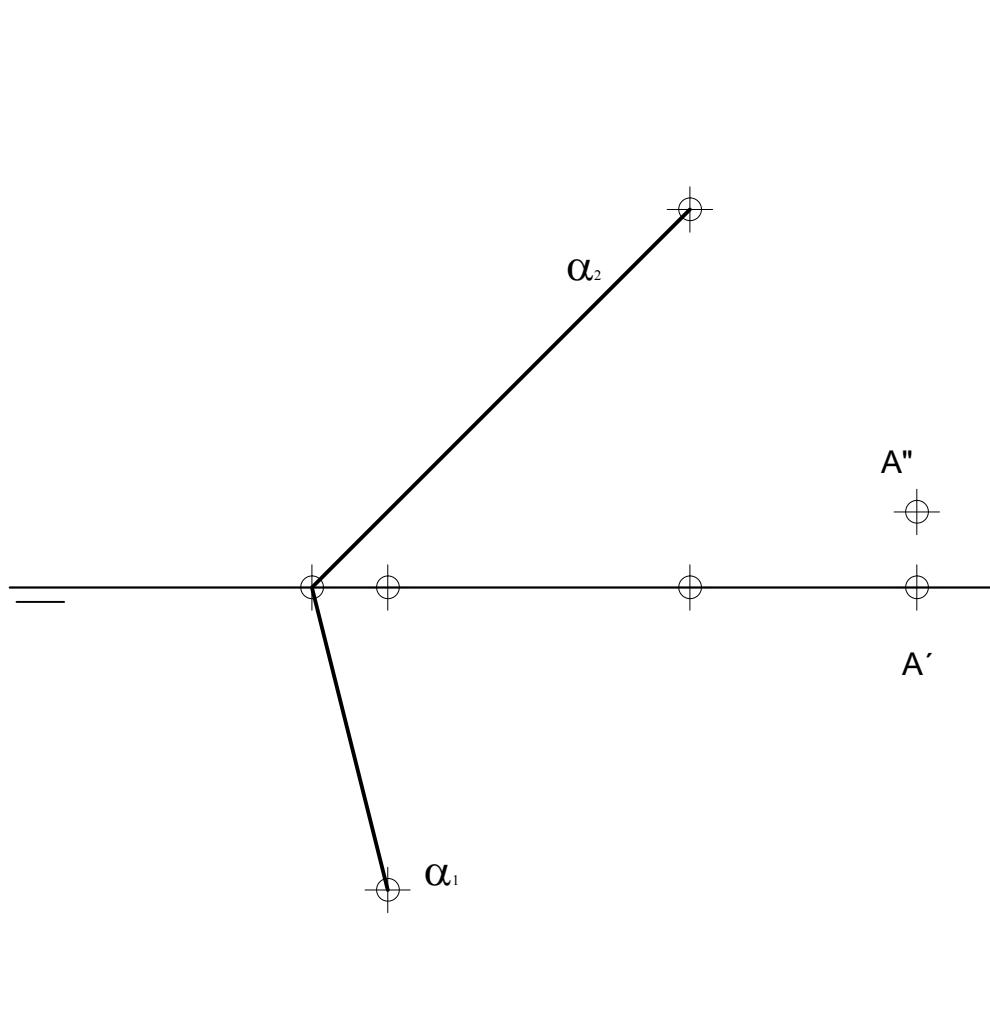
EXERCISE 3

Calculate the bisector plane of the planes $\alpha : 4x + y + 4z = 36$ and $\beta : 4x + y + 4z = 8$.

Draw the bisector plane of the planes α and β .

α_2

β_2

β_1

α_1
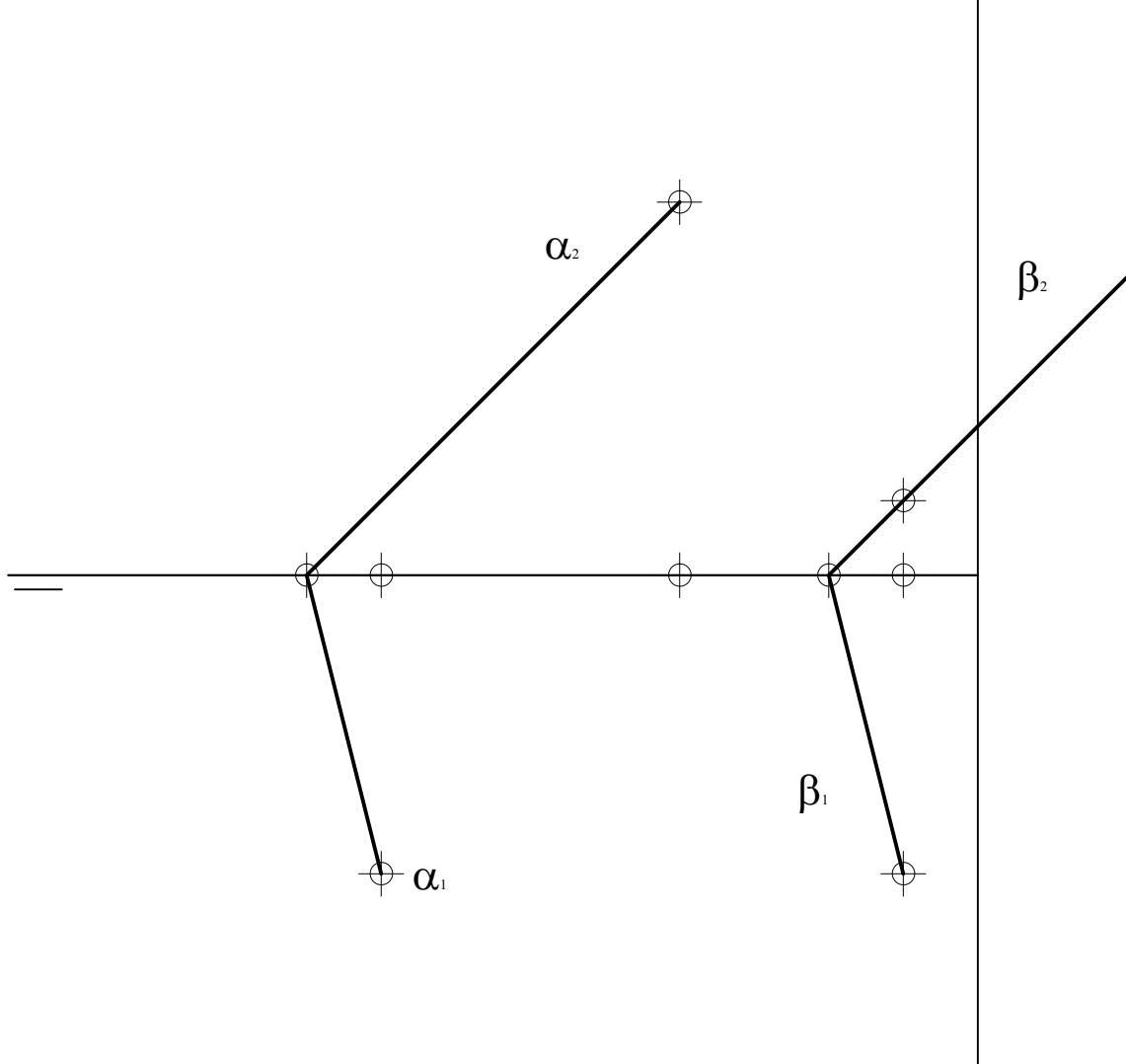
EXERCISE 4

The distance from the point $P(1,2,3)$ to the point A located in the axis of abscissas is 7.
Calculate the coordinates of the point A.

Find the projections of the point A if we know that this is located in the floor-line, being the distance to the point P 70 mm.

P"

⊕

P´

⊕
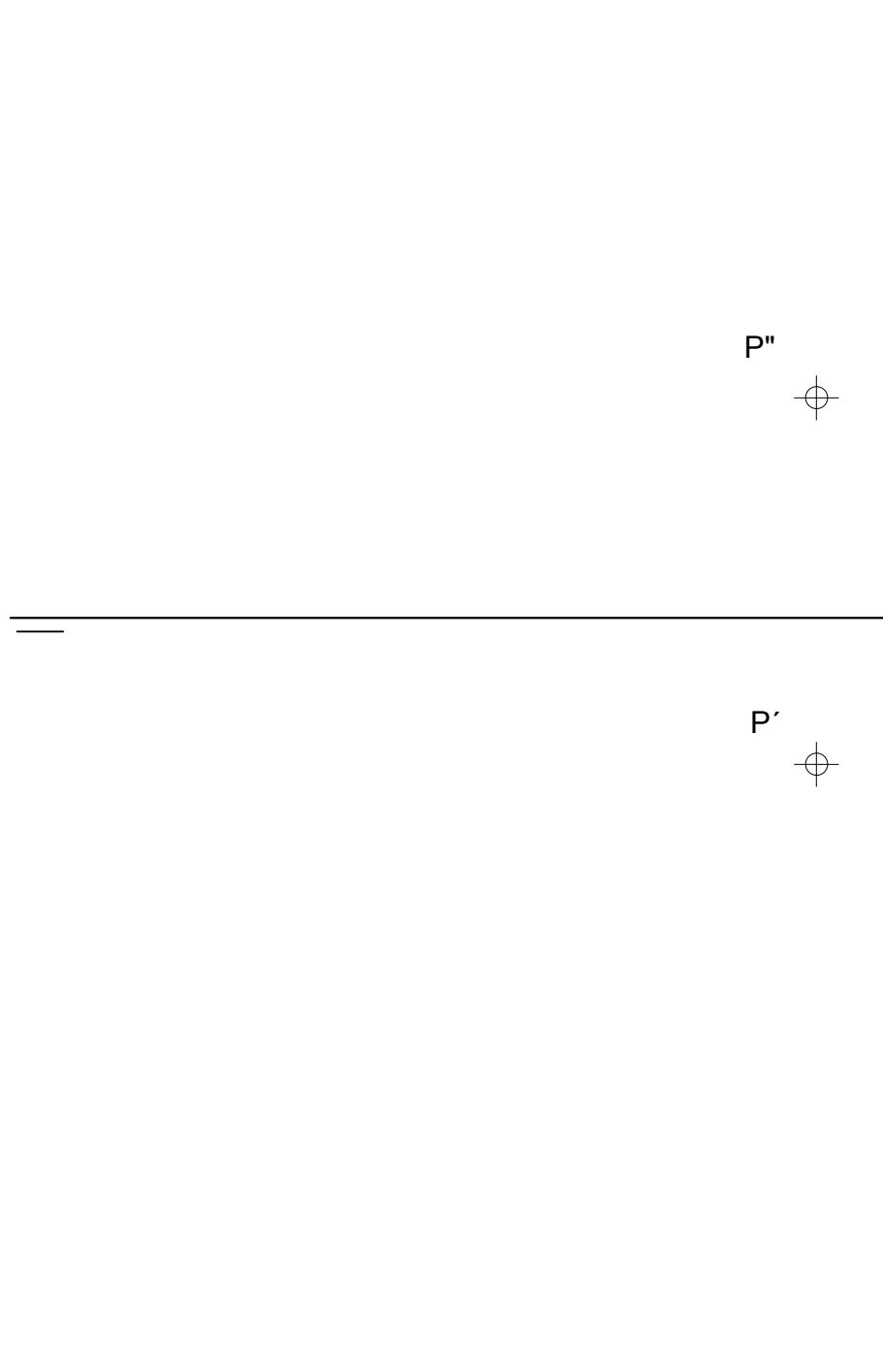
EXERCISE 5

Calculate the distance from the point $P(3,4,5)$ to the line $r : \dfrac{x+1}{1} = \dfrac{y+2}{2} = \dfrac{z+5}{-1}$.

Find the distance between the point P and the line r.

P"

r"

P´

r´