1. Given point A(2,1,3) rotate it 90º in the counterclockwise direction along a tip axis that goes through point B(5,2,0)

2. Given the points A(2,1,0) and B(5,0,3):
a) rotate the line AB 30º in the clockwise direction along a vertical axis that goes through point C(7,1,1)

b) rotate the line AB to transform it in a horizontal line
c) rotate the line AB to transform it in a frontal line

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d) rotate line AB to make it parallel to the R.L.

3.Consider the plane such that its vertical projection trace forms 30º with respect to the R.L. and its horizontal one -40º. Rotate the plane to transform it in a profile plane

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4. Find the distance between point A(70,20,30) and the plane α, whose vertical trace has 45º with respect to the R.L. and its horizontal trace -40º. Both traces join in point (0,0,0)

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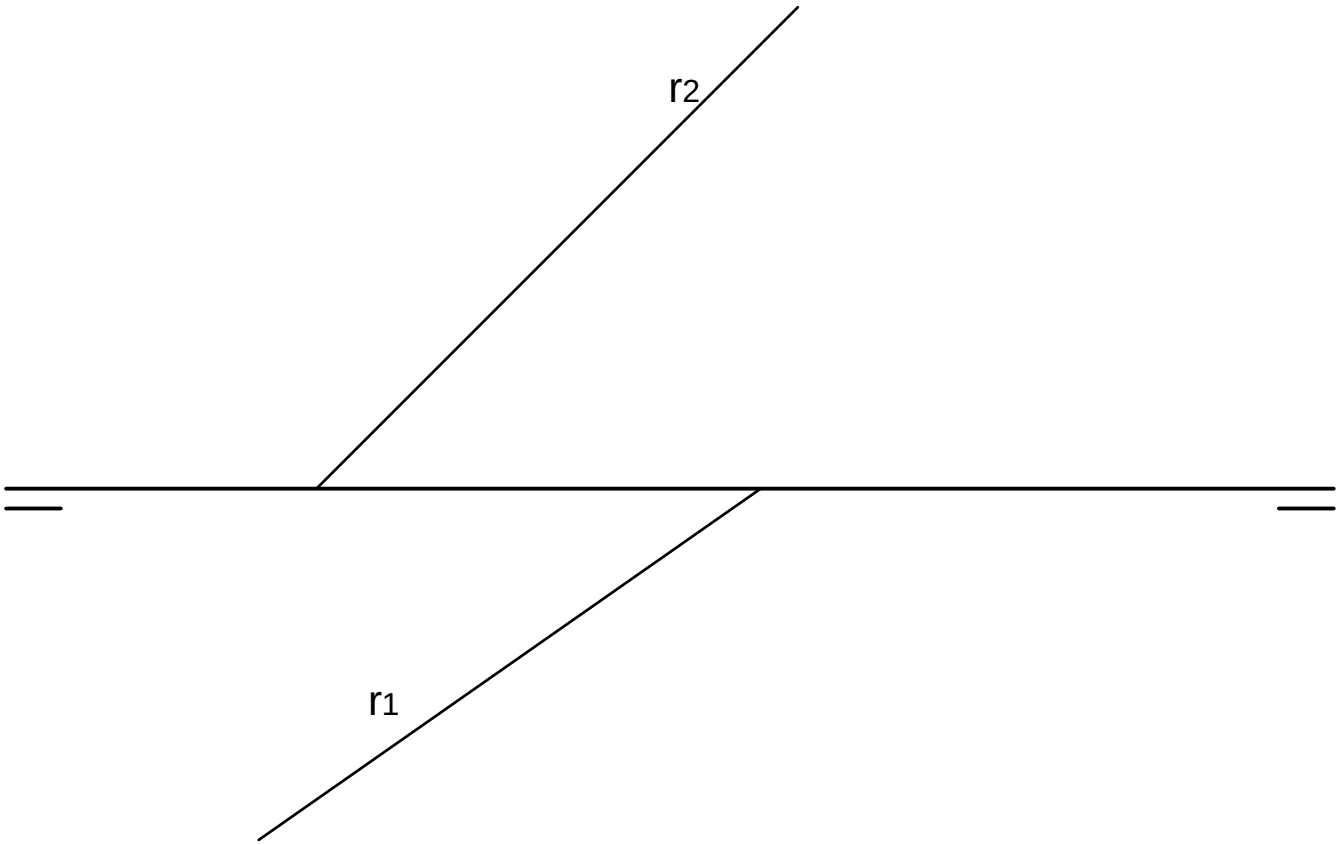
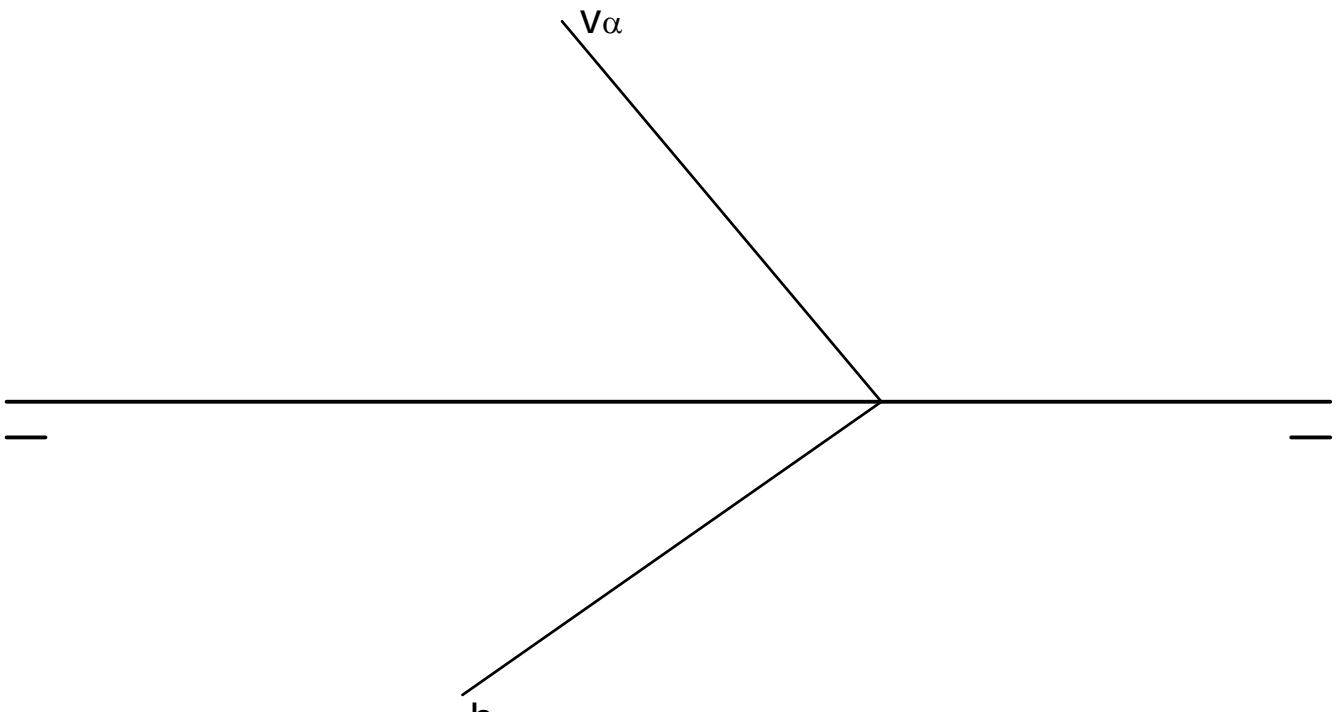
5. Transform the line r in one which is parallel to the R.L. by means of change of planes.



6. Transform plane α in a horizontal one by means of change of planes



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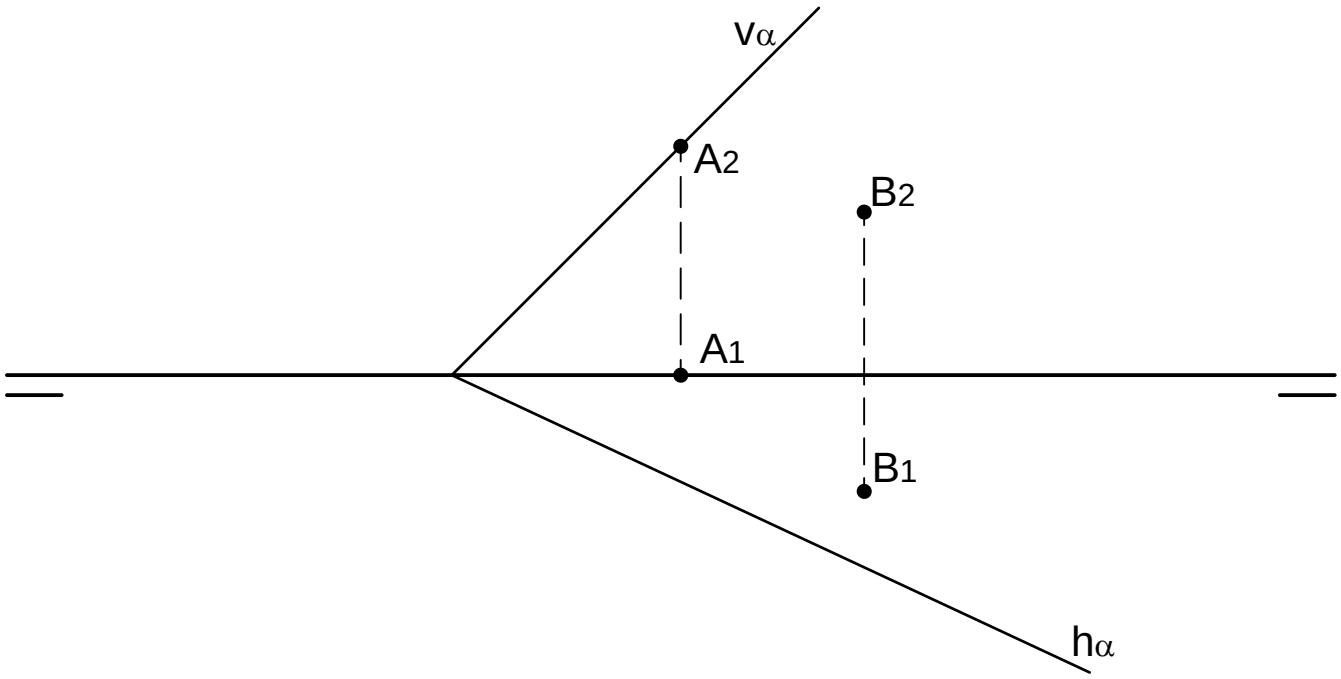
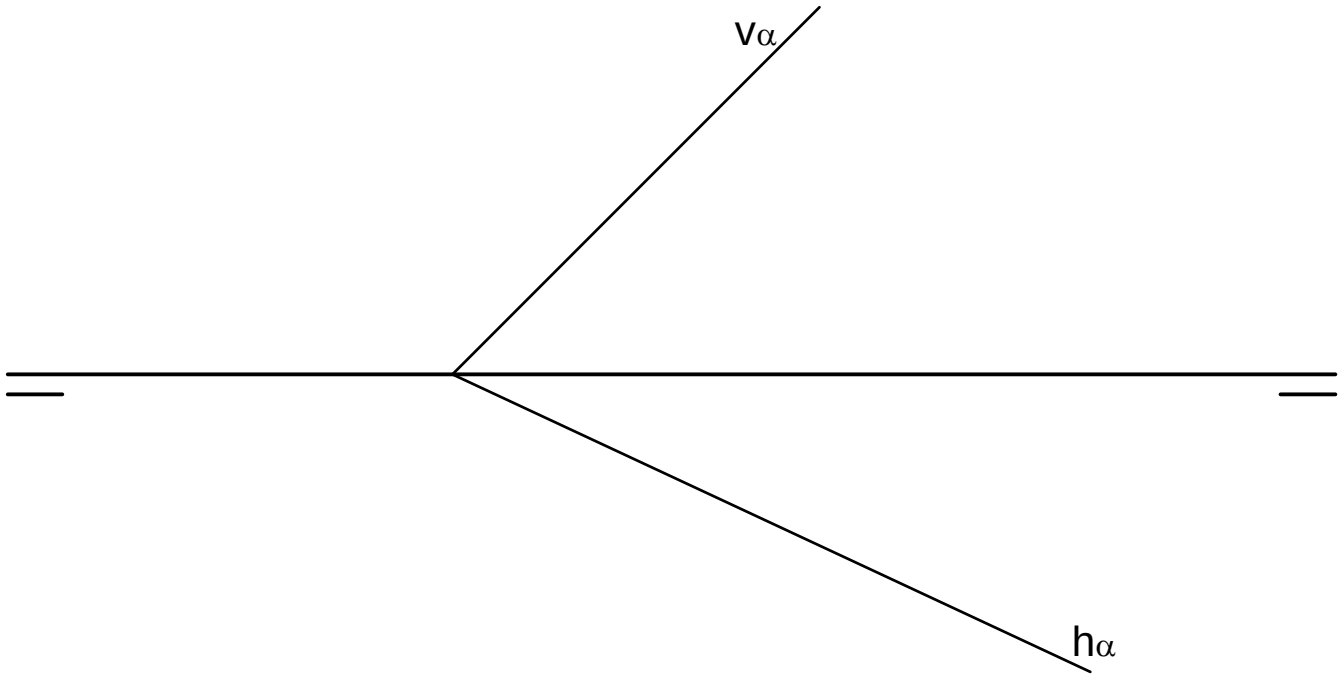
7. Find the true length of segment AB which belongs to plane a



8. Draw over plane a a segment of 30mm length



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