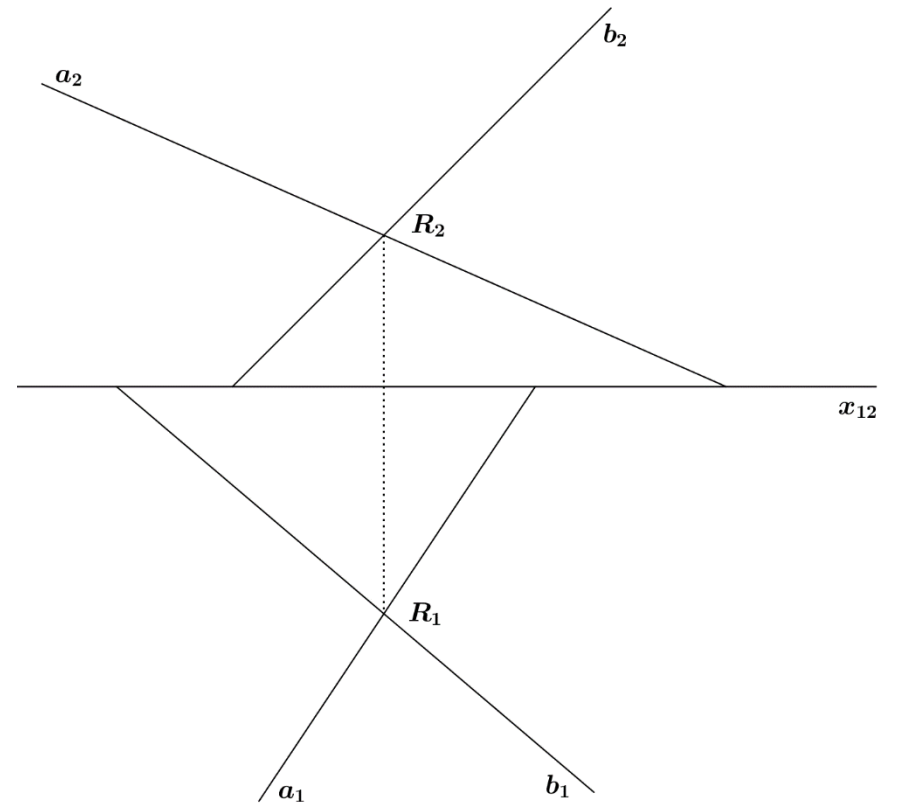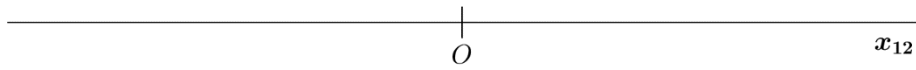Points $A[-20, 10, 50]$, $B[20, 35, 15]$ are given. Tasks:
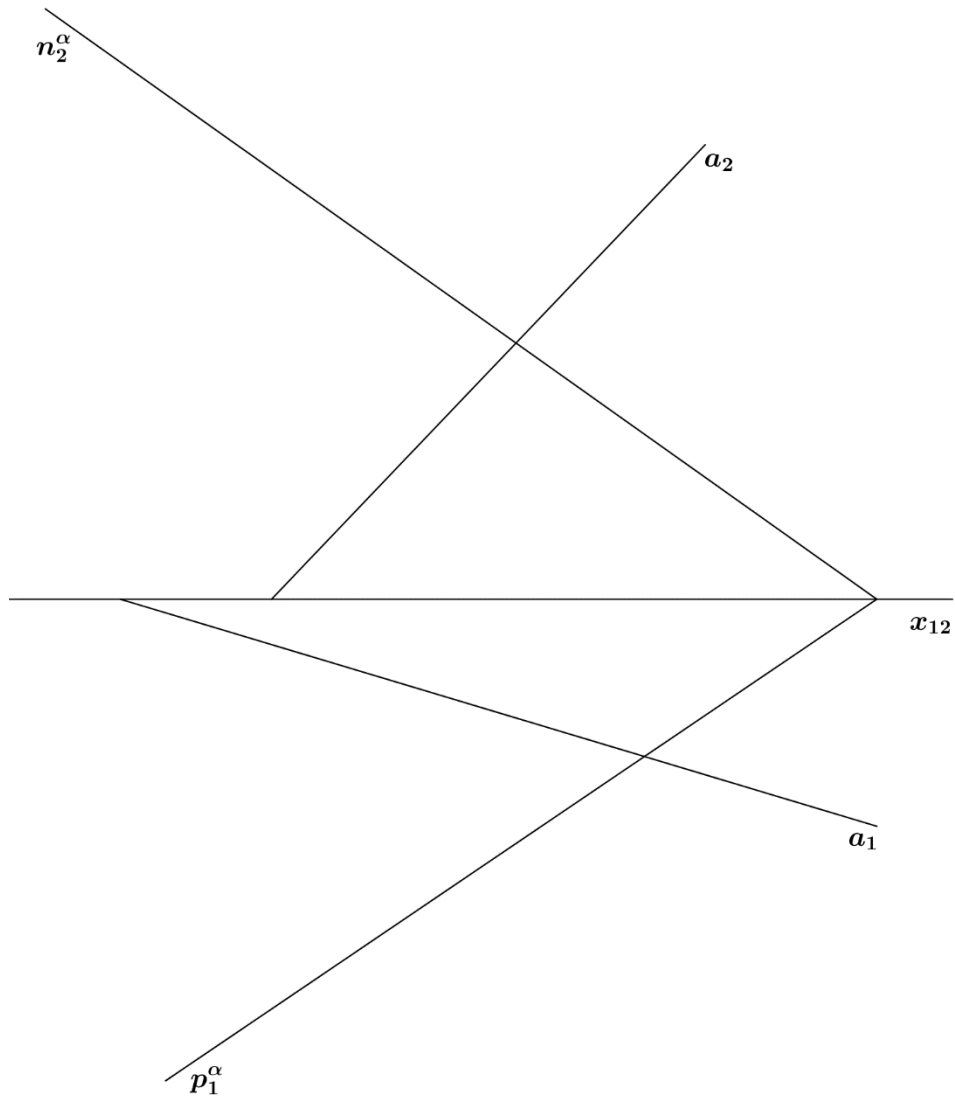
   a) trace points of line $a = AB$;

   b) true length of line segment AB.

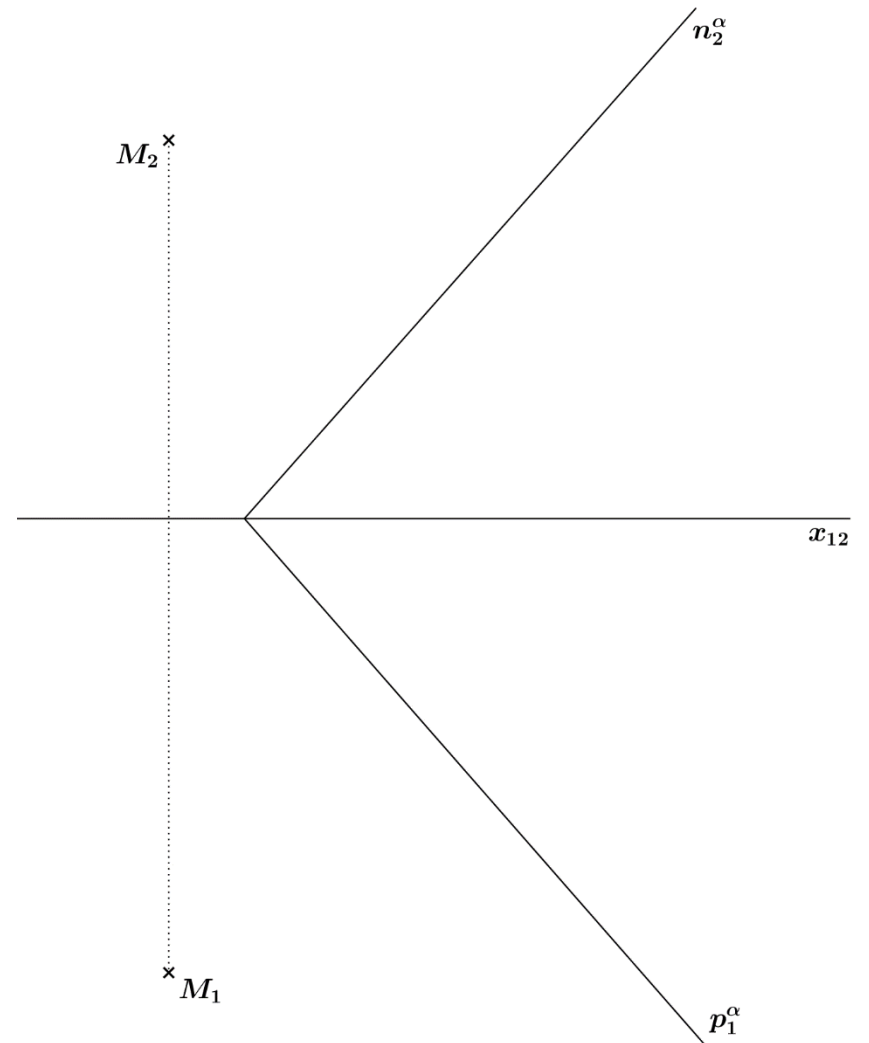Find traces of plane α, which is given by two intersecting lines a, b; $R \in a \cap b$.

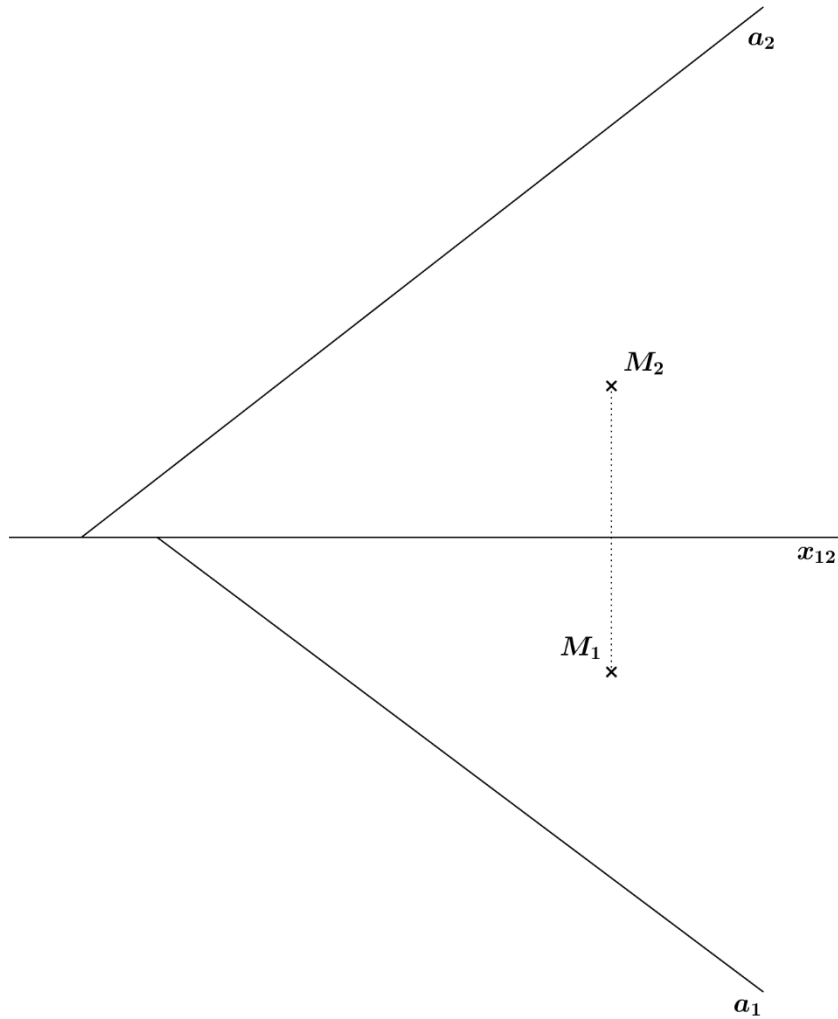Plane α and line a are given. Tasks:
   a) point R – point of intersection of a and α;
   b) point $A \in a$ such that $|AR| = 25$.

Point M and plane α are given. Find distance d of point M and plane α.

Point M and line a are given. Find distance d of point M and line a.

Point M and plane $\alpha=ABC$ are given. Tasks:
a) an othogonal projection R of point M to plane α;
b) point M' symmetrically with point M according to plane α.