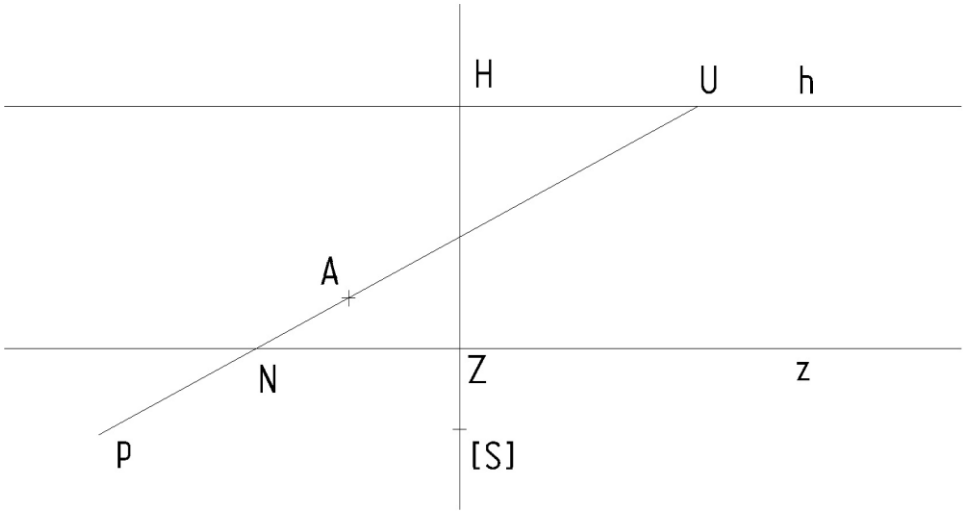
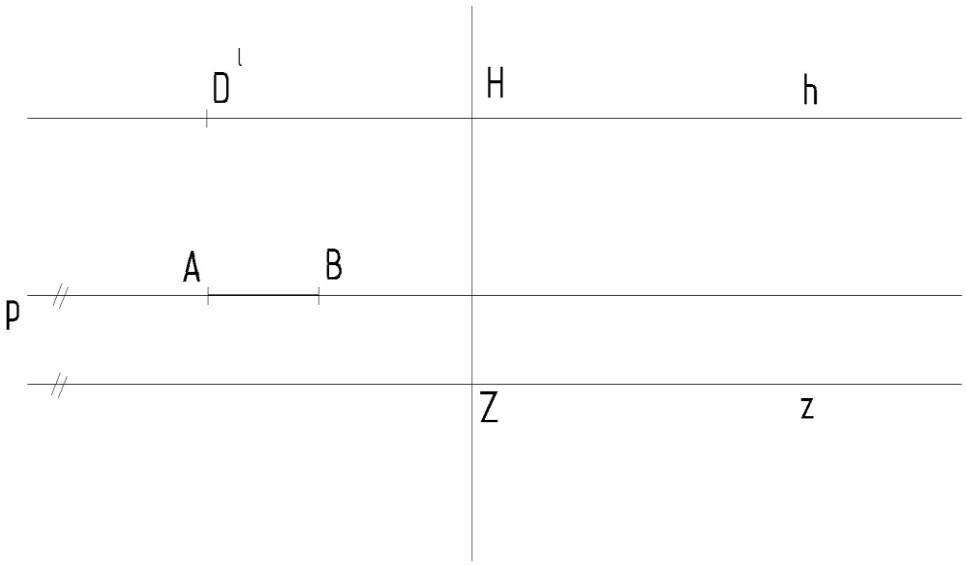
Perspective projection

Ex. Line p is in π. Construct points B, C, D on the line p : $|AB| = |BC| = |CD| = a$. Apply the height 40 on lines perpendicular to π and passes through points A, B, C, D.

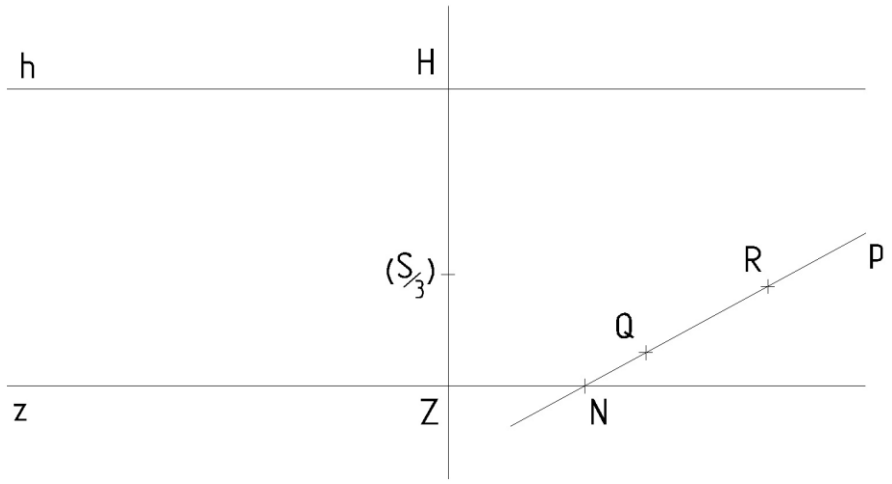
a) $|NA| = a$,



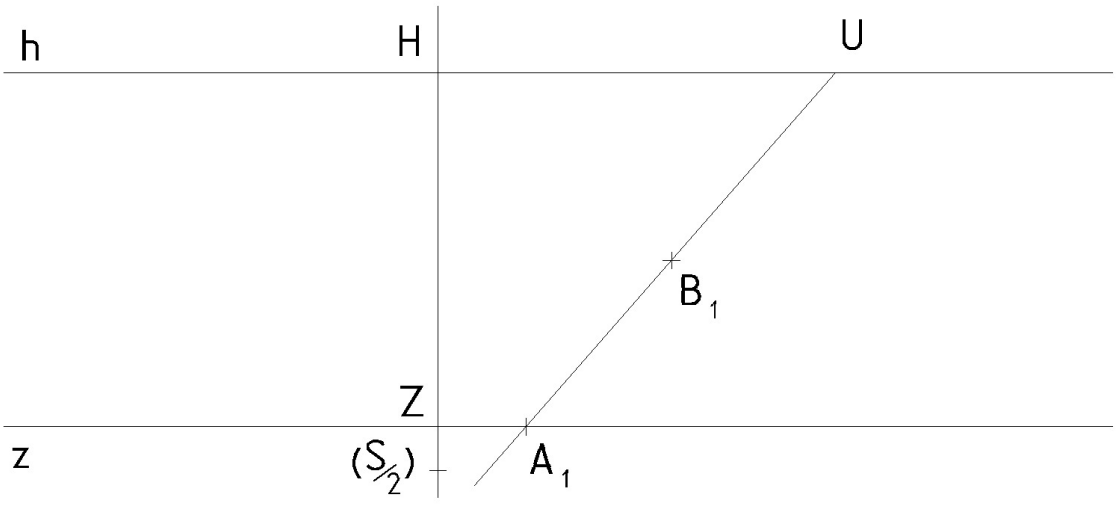
b)



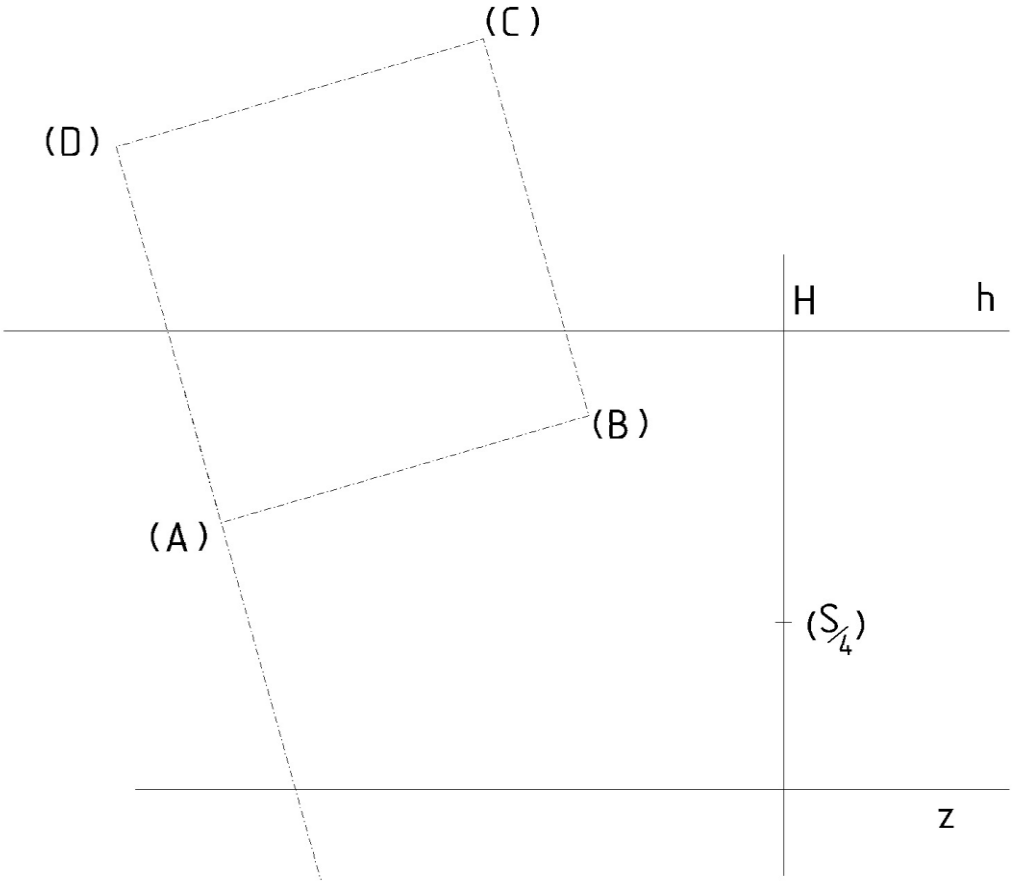
Ex. PP (*h*, *H*, *z*, *d*/3): find the true length of line segment *QR*, $p \subset \pi$, the vanishing point of *p* is inaccessible.



Ex. PP(*h*, *H*, *z*, *d*/2): construct perspective projection of cube $A_1B_1C_1D_1ABCD$, $A_1B_1C_1D_1$ in π, $A_1 \in z$.



Ex. PP(*h, H, z, d*/4): construct perspective projection of cube with one wall $ABCD \subset \pi$. The tipped ground plan of this wall is given.



Ex. Find tipped ground plan of $\Delta\, ABC \subset \pi$, its perspective projection is given.