

## Construction of the intersection line of a surface of revolution and a sphere

Given: frontal and horizontal projections of a surface of revolution and a sphere.

Construct:

- profile projection of the surfaces (A3 size, scale 1:1)
- frontal, horizontal and profile projections of the line of intersection of the given surfaces.
- determine visibility of line of intersection and given surfaces. All visible lines to show with continuous wide lines, hidden lines to show with continuous dashed narrow lines.

Construct points of the intersection line using secant auxiliary surface method.

Construct points of the intersection line using secant auxiliary surface method.

