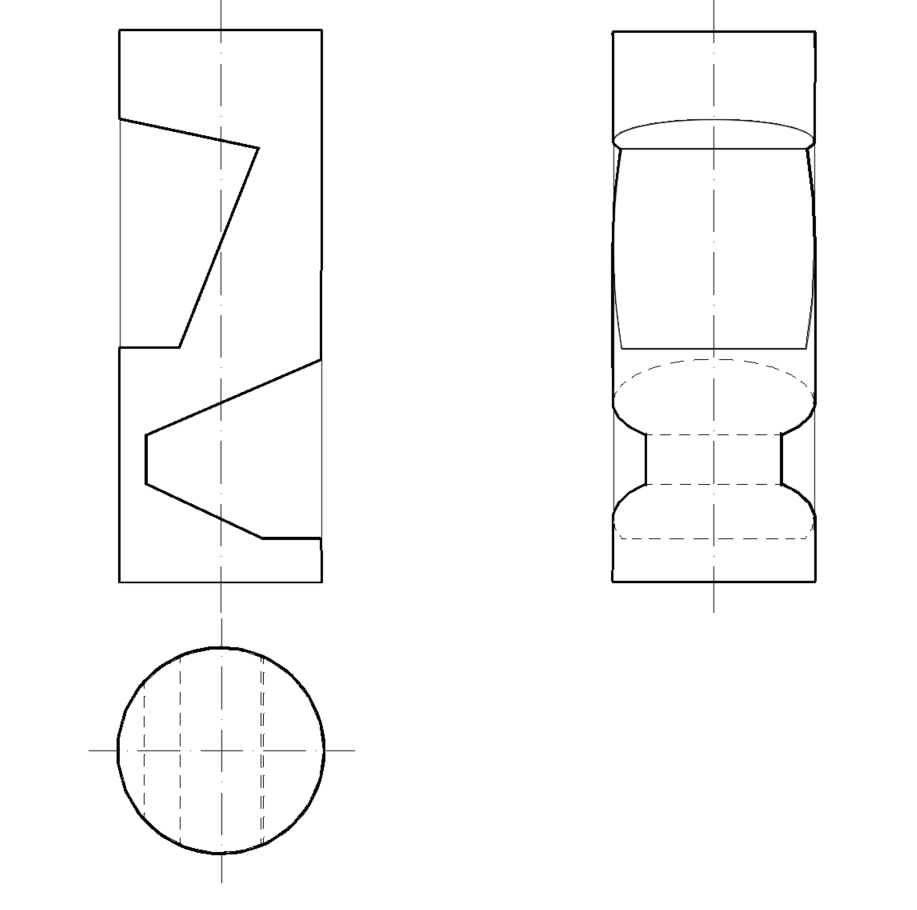
***Result:***

Frontal, horizontal and profile projections of the cylinder cut with 7 planes (A3 size, scale 1:1)



Answers to questions 1-4:

1. Planes γ and ζ will not mutually intersect, because they are parallel.
2. Types of sections: α - ellipse, β - ellipse, γ - circle, δ - ellipse, ε – rectangle, ζ – circle, η – ellipse.
3. Planes γ and ζ form the cross-section and plane ε forms the longitudinal section of the cylinder. Plane ε is perpendicular to the planes γ and ζ (the angle between them is 90°).
4. In order to make a circle-section out of an ellipse-section, the angle between the plane and the longitudinal axis of the cylinder should be increased to 90°.