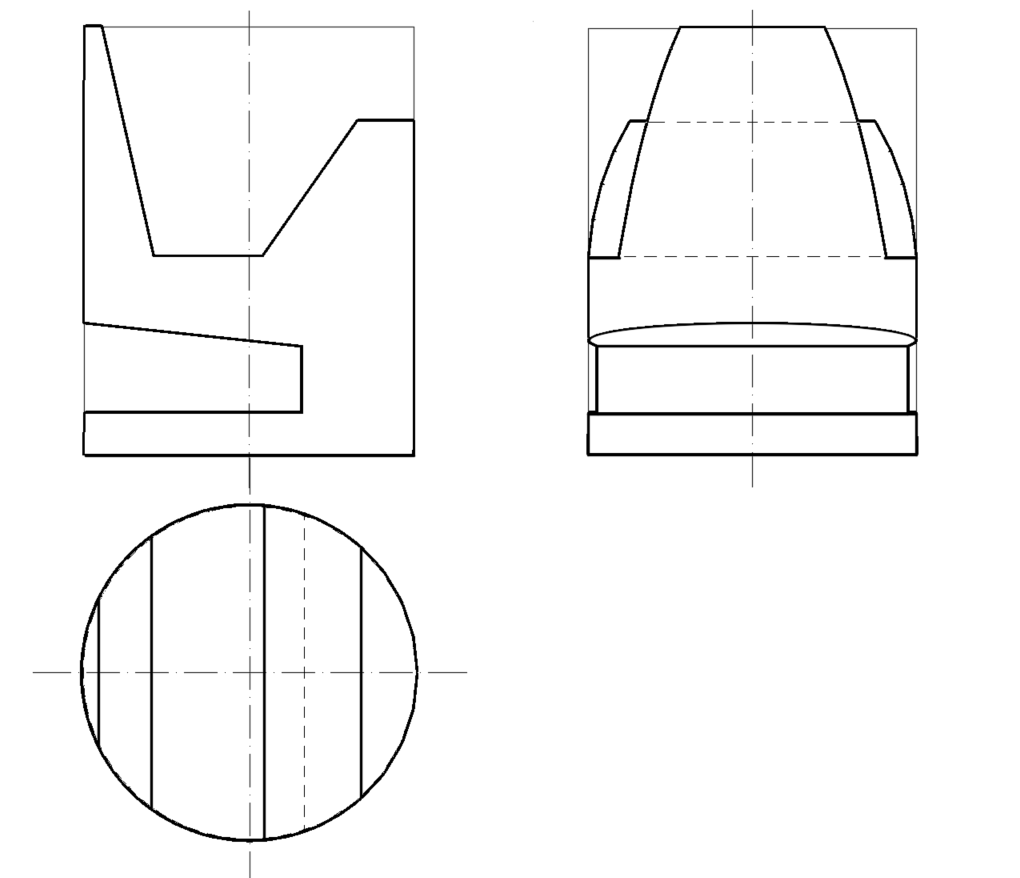
***Result:***

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



Answers to questions 1-4:

1. Planes β, δ and η will not mutually intersect, because they are parallel.
2. Types of sections: α - ellipse, β - circle, γ - ellipse, δ - circle, ε – ellipse, ζ – rectangle, η - circle.
3. Planes β, δ and η form the cross-sections and plane ζ forms the longitudinal section of the cylinder. Plane ζ is perpendicular to the planes β, δ and η (the angle between them is 90°).
4. Planes β = δ = η (circles, ratio = 1) -> plane ε -> plane γ -> plane α (the largest ratio between the axes of the ellipse).