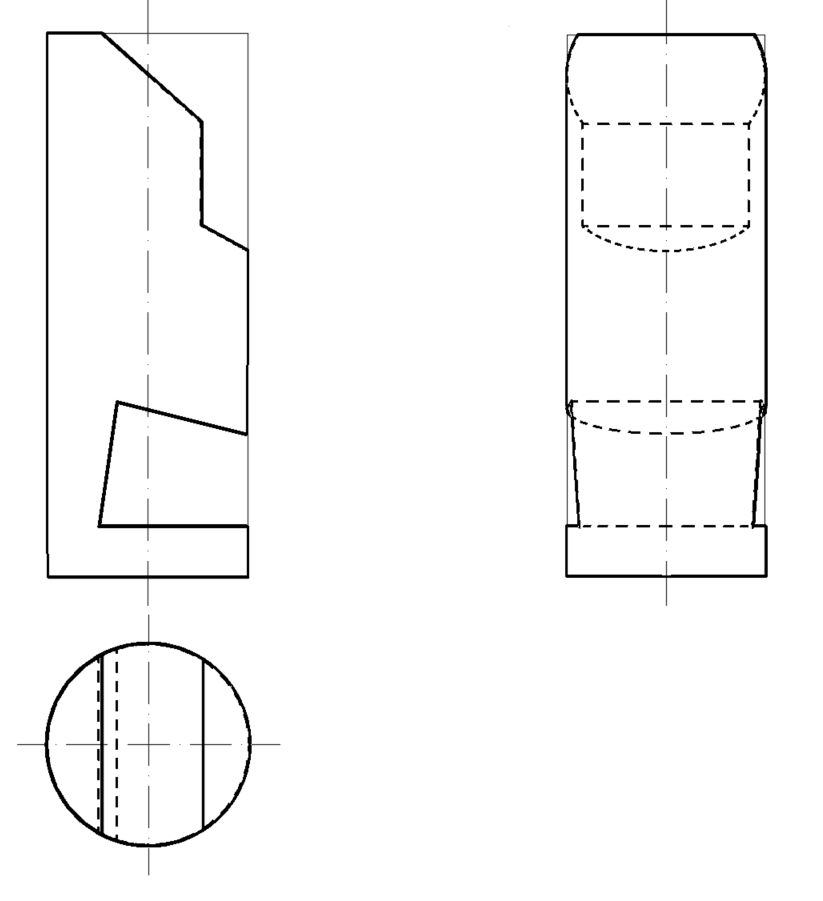
***Result:***

Frontal, horizontal and profile projections of the cylinder cut with 6 planes (A3 size, scale 1:1)



Answers to questions 1-4:

1. Following pairs of the planes mutually intersect within the outline of the cylinder: α + β, β + γ, δ + ε, ε + ζ, α + ε, β + ζ, β + δ, γ + ε.
2. Following pairs of the planes mutually intersect outside of the solid: α + γ, α + δ, β + ε, γ + δ, α + ζ, δ + ζ, γ + ζ.
3. Types of sections: α - ellipse, β - rectangle, γ - ellipse, δ - ellipse, ε – ellipse, ζ - circle.
4. Plane ζ forms the cross-section and plane β forms the longitudinal section of the cylinder. These planes are perpendicular to each other (the angle between them is 90°).