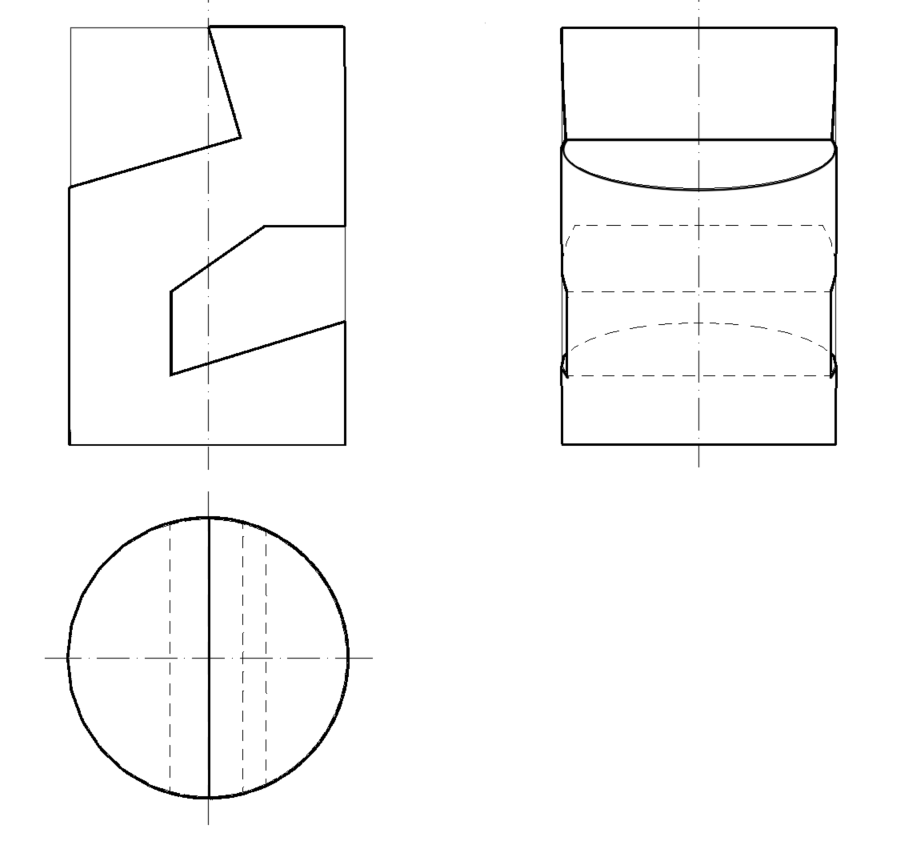
***Result:***

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