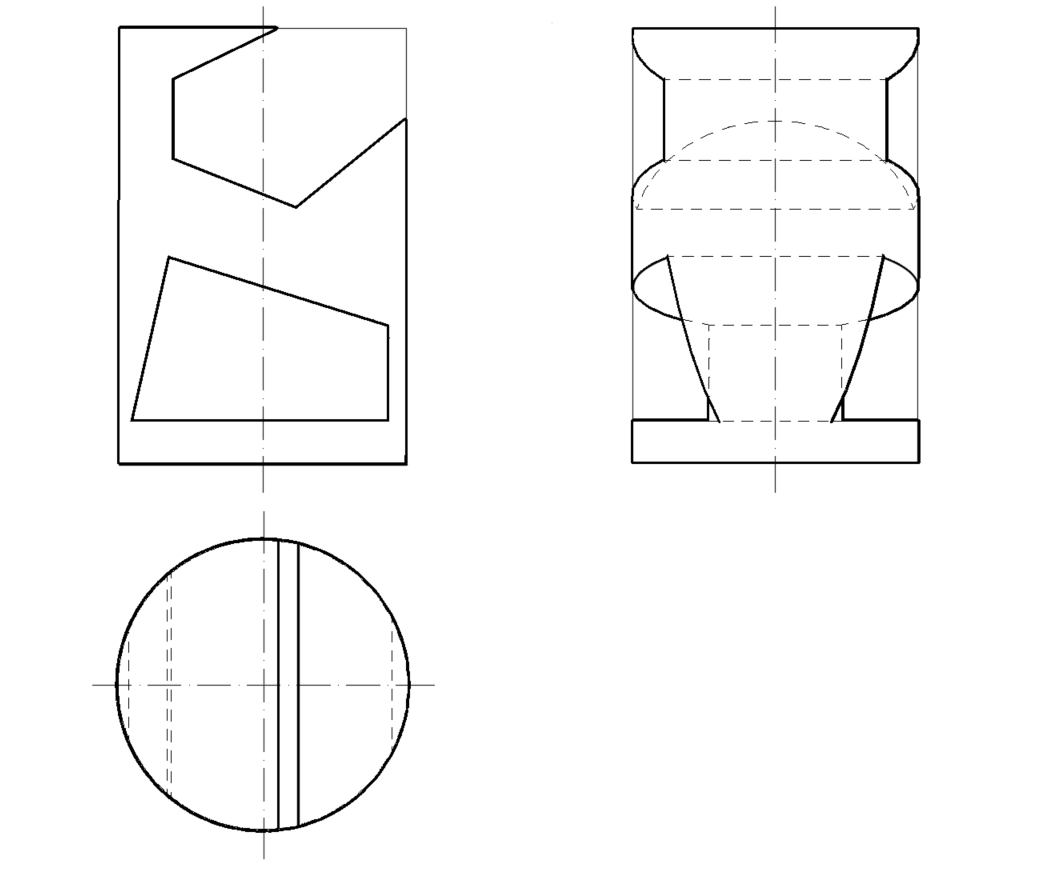
***Result:***

Frontal, horizontal and profile projections of the cylinder cut with 8 planes (A3 size, scale 1:1)



Answers to questions 1-4:

1. Planes γ and ε are not mutually parallel. They intersect on the right side below the cylinder.
2. Types of sections: α - ellipse, β - rectangle, γ - ellipse, δ - ellipse, ε – ellipse, ζ - rectangle, η - circle, θ – ellipse.
3. The smaller the angle of inclination of the plane to the longitudinal axis of the cylinder, the greater the surface area of the section.
4. Plane η -> plane ε -> plane γ -> plane α -> plane δ -> plane θ -> plane β = plane ζ, sorted from smallest to largest surface area of a section.