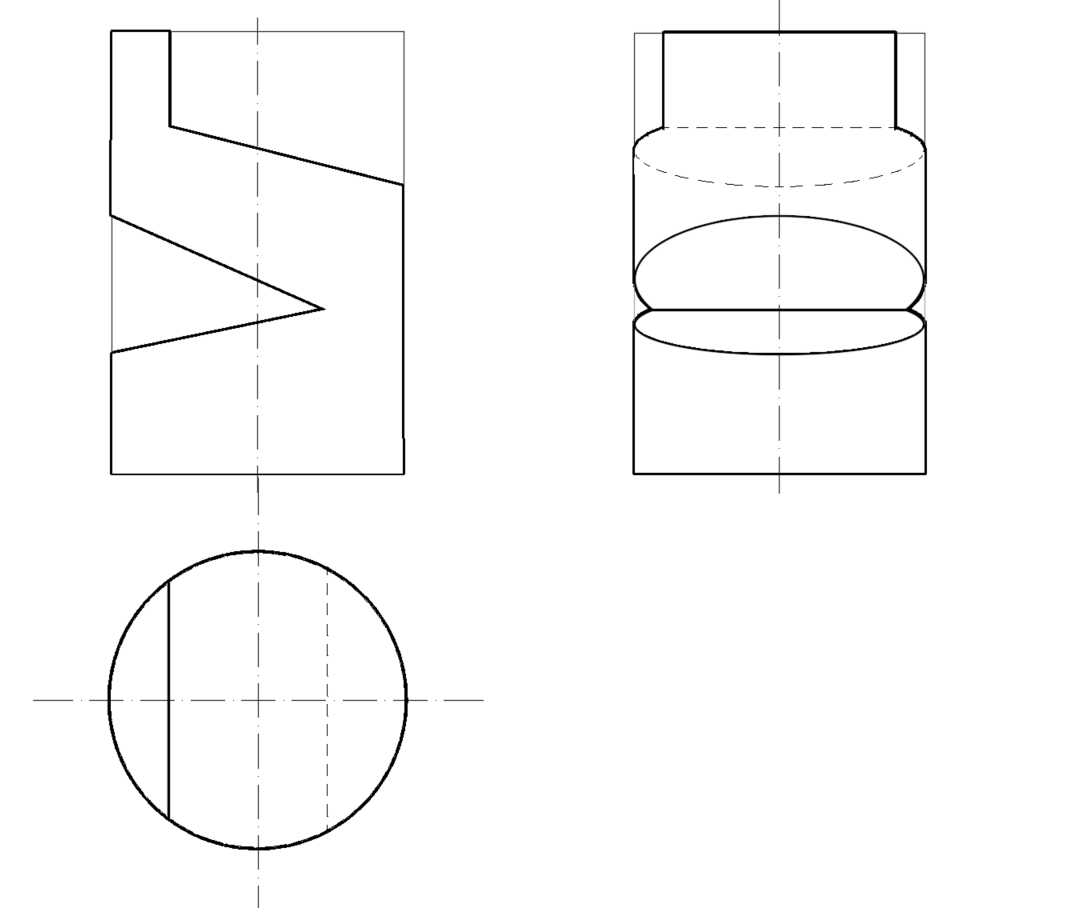
***Result:***

Frontal, horizontal and profile projections of the cylinder cut with 4 planes (A3 size, scale 1:1)



Answers to questions 1-4:

1. Planes β and γ are not mutually parallel. They intersect on the left side above the cylinder.
2. Planes γ and δ are not mutually symmetrical about the cross-section of the cylinder.

The angle between plane γ and the cross-section is larger than between the cross-section and plane δ.

Due to that the surface area of the section γ is larger than of the section δ.

1. Types of sections: α - rectangle, β - ellipse, γ - ellipse, δ – ellipse.
2. Plane δ (the smallest ratio between the axes of its ellipse) -> plane β -> plane γ.