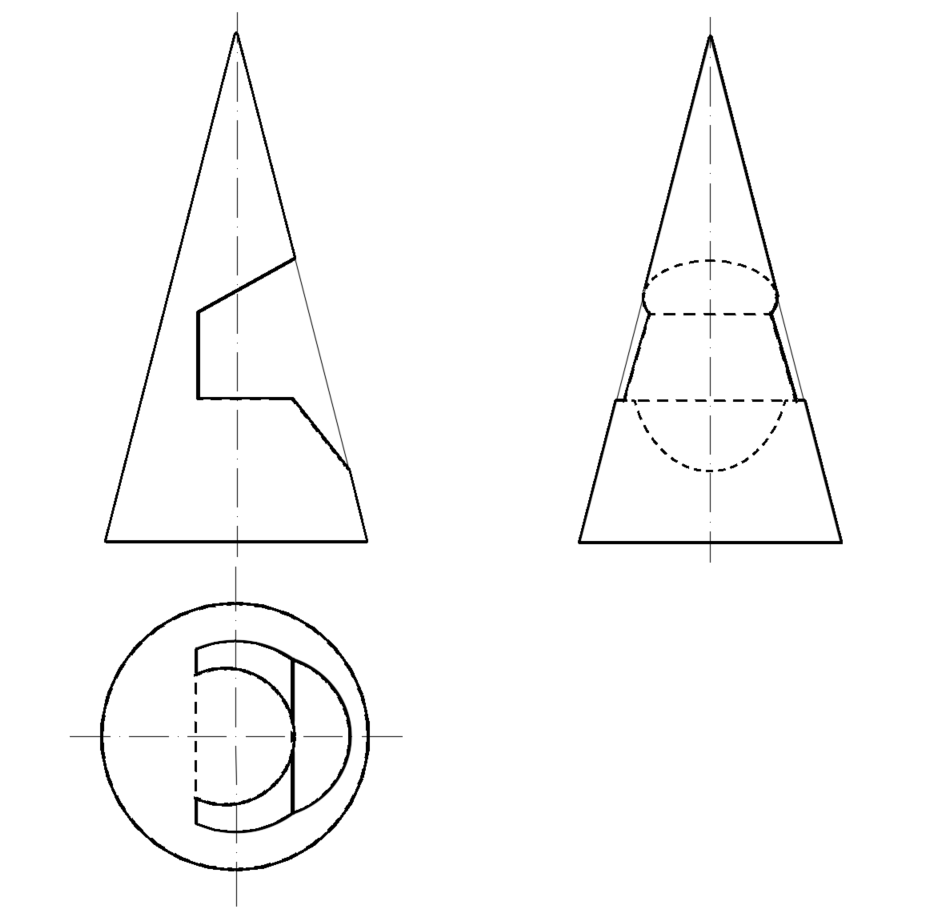
***Result:***

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



Answers to questions 1-4:

1. The planes α and δ are mutually not perpendicular.
2. The planes β and δ mutually intersect within the solid, so it would not break the cone’s outline.
3. If the planes α and γ mutually intersect, they would divide the cone into 2 separate parts, because the intersection line of these planes is situated out of cone’s outline.
4. Types of sections: α - ellipse, β - hyperbola, γ - circle, δ – ellipse.