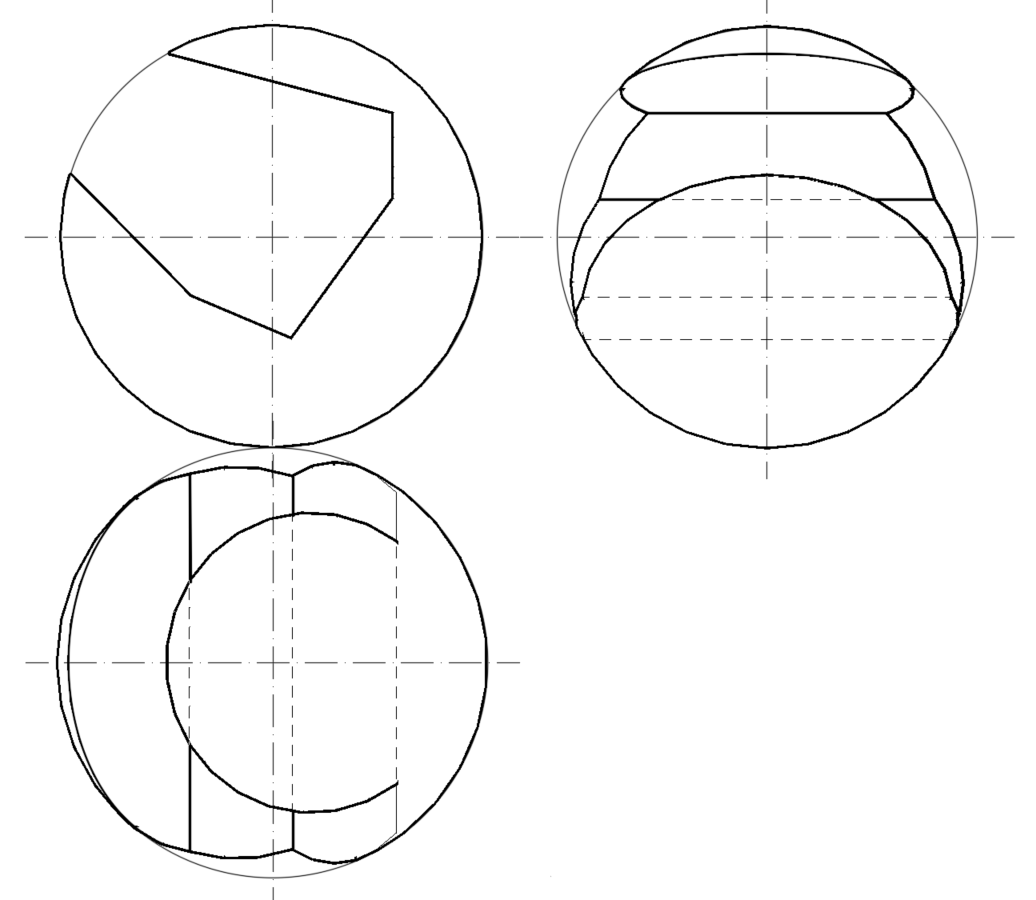
***Result:***

Frontal, horizontal and profile projections of the sphere cut with 5 planes (A3 size, scale 1:1)



Answers to questions 1-5:

1. Following pairs of the planes mutually intersect within the outline of the sphere: α + β, α + γ, β + γ, γ + ε, δ + ε, γ + δ, α + δ, β + δ.
2. Following pairs of the planes mutually intersect outside of the solid: α + ε, β + ε.
3. The closest intersection to the surface is the one between the planes α and ε.
4. Plane γ forms the section of the largest surface area.
5. Plane α forms the section of the smallest radius.