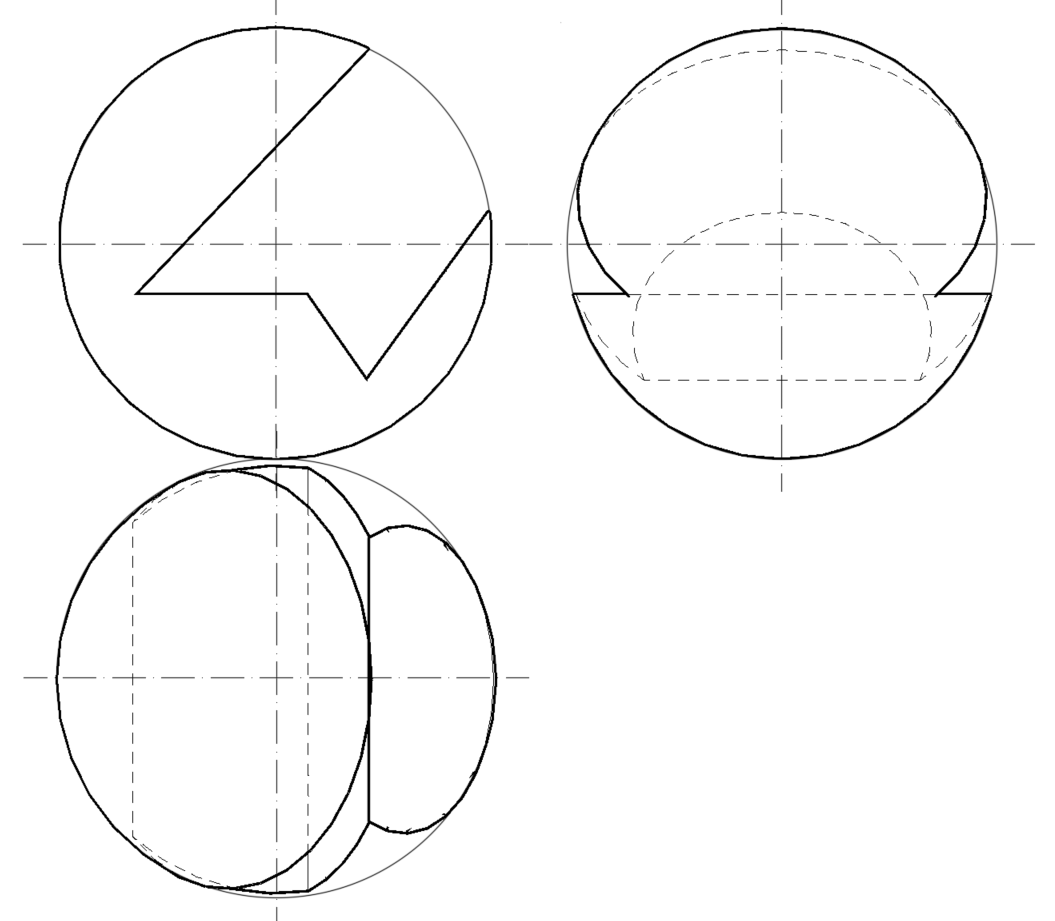
***Result:***

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



Answers to questions 1-4:

1. Planes α and δ are not mutually parallel. They intersect above the sphere.
2. No, it is not possible, the radius of the circle-section can be only less or equal to the sphere’s radius.
3. Plane γ forms the section of the largest surface area.
4. Plane δ forms the section of the smallest radius.