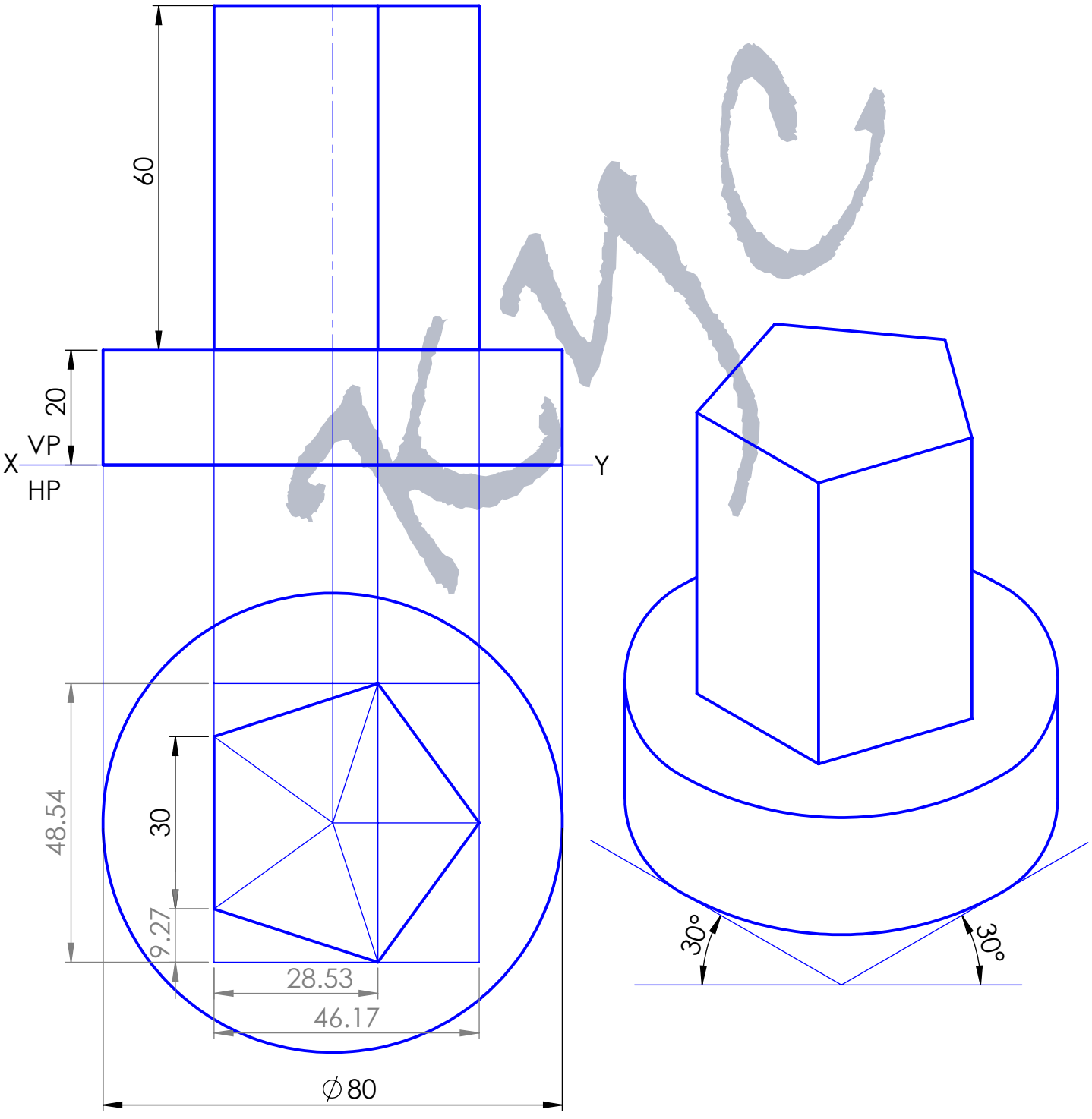
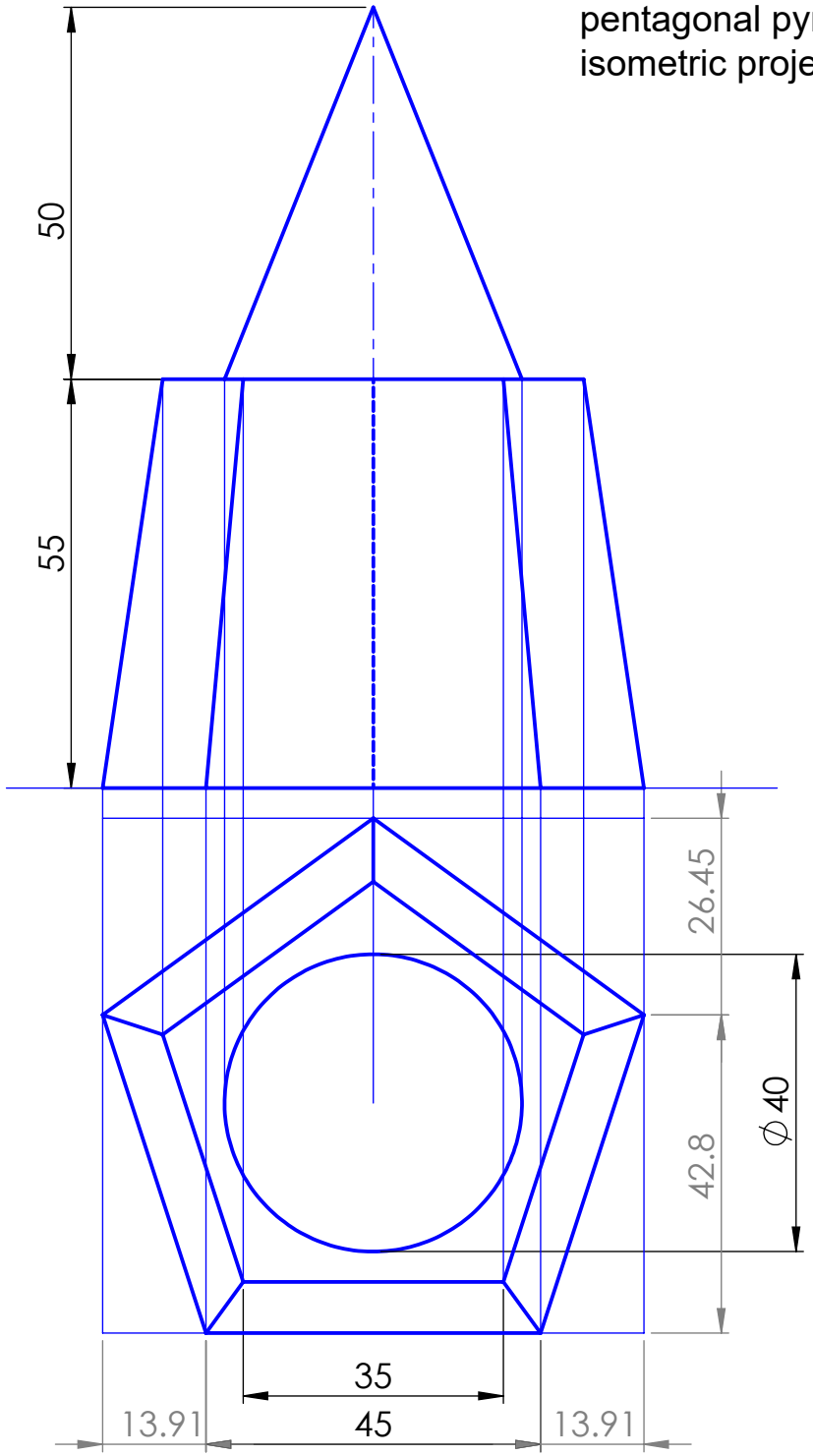
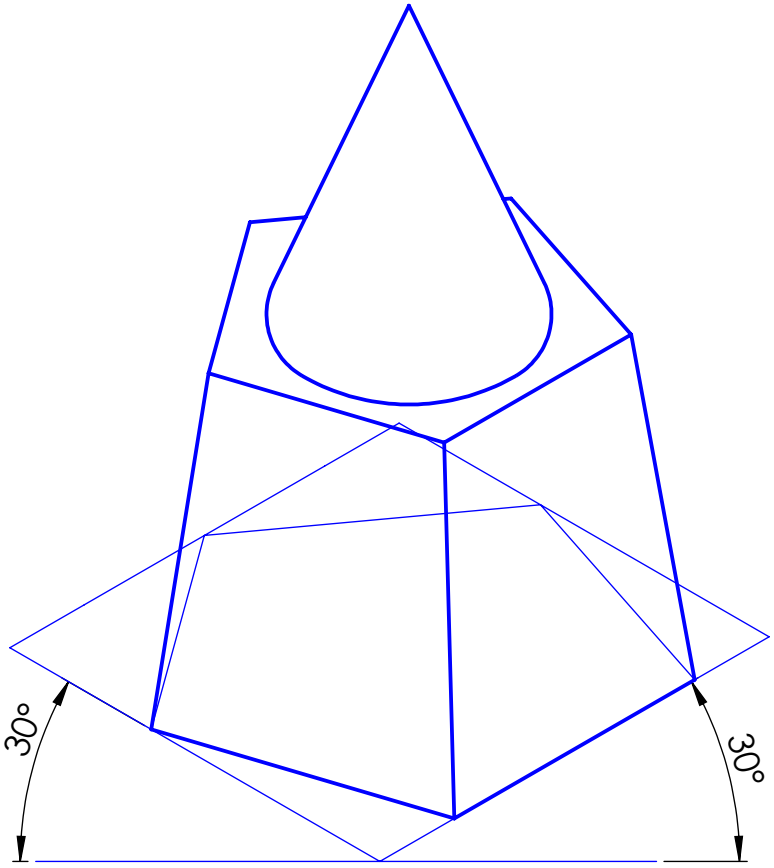
6.1 A regular pentagonal prism of base edge 30mm and axis 60mm is mounted centrally over a cylindrical block of 80 mm diameter and 25mm thick. Draw isometric projection of the combined solids.

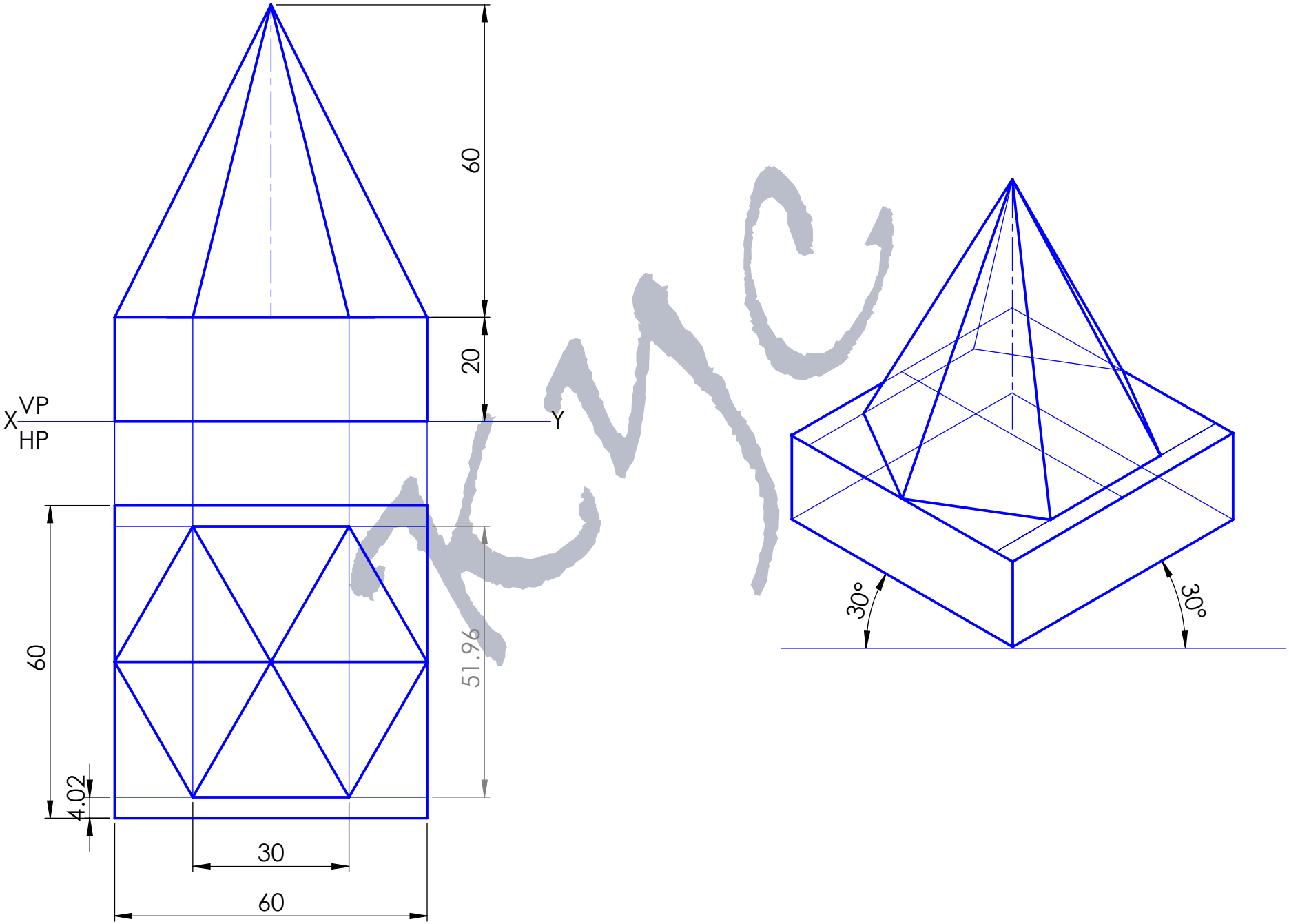


6.2 A cone of base diameter 40mm and height 50mm rests centrally over a frustrum of a pentagonal pyramid of base side 45mm, top side 35mm and height 55mm. Draw isometric projections of the combination of solids.

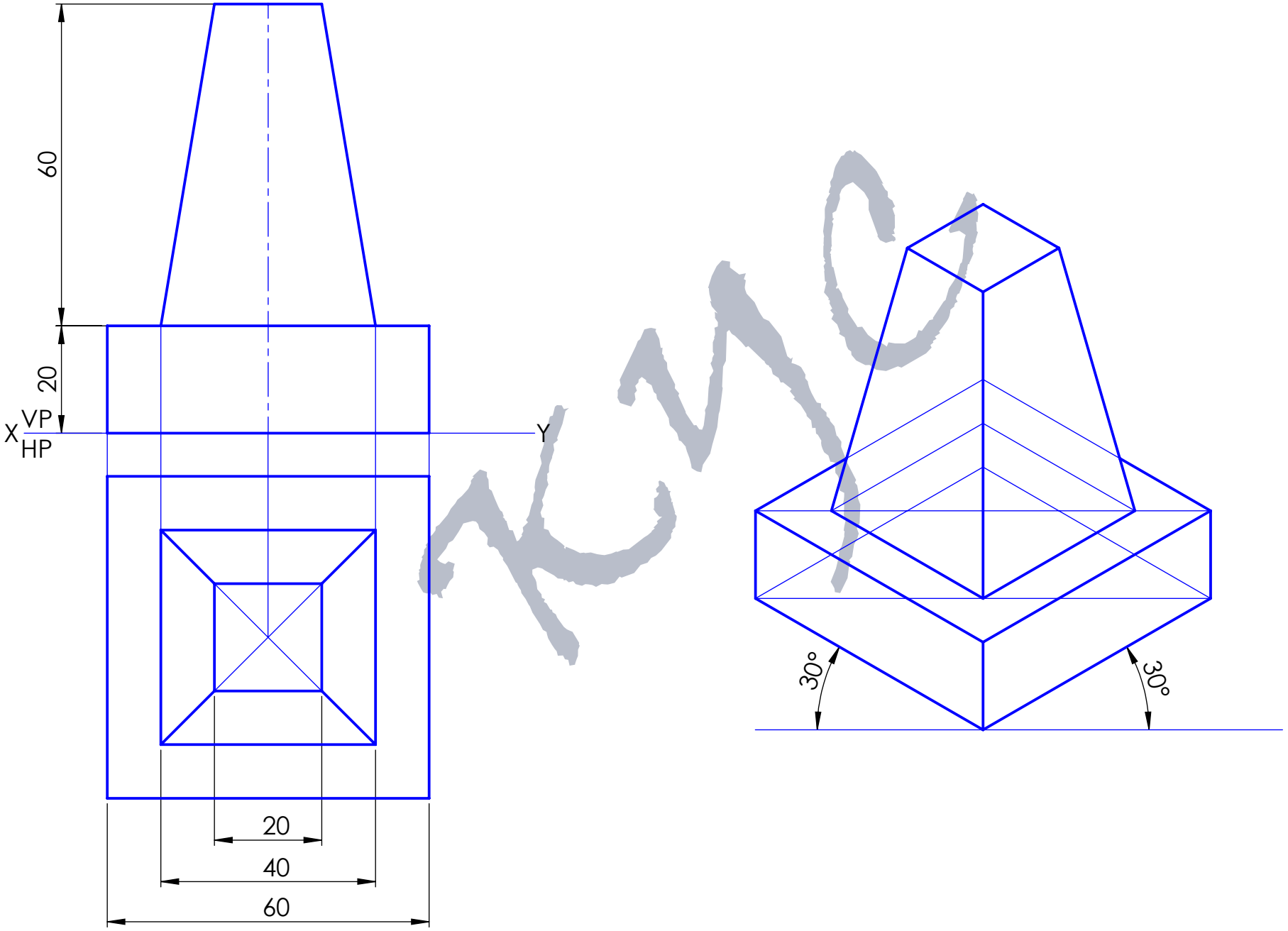




6.3 A hexagonal pyramid 30mm side and height 60mm rests on the center of the top of a square block of side 60mm and height 20mm. The base edge of the pyramid is parallel to the top edge of the square block. Draw the isometric projection of the combination of the solids.

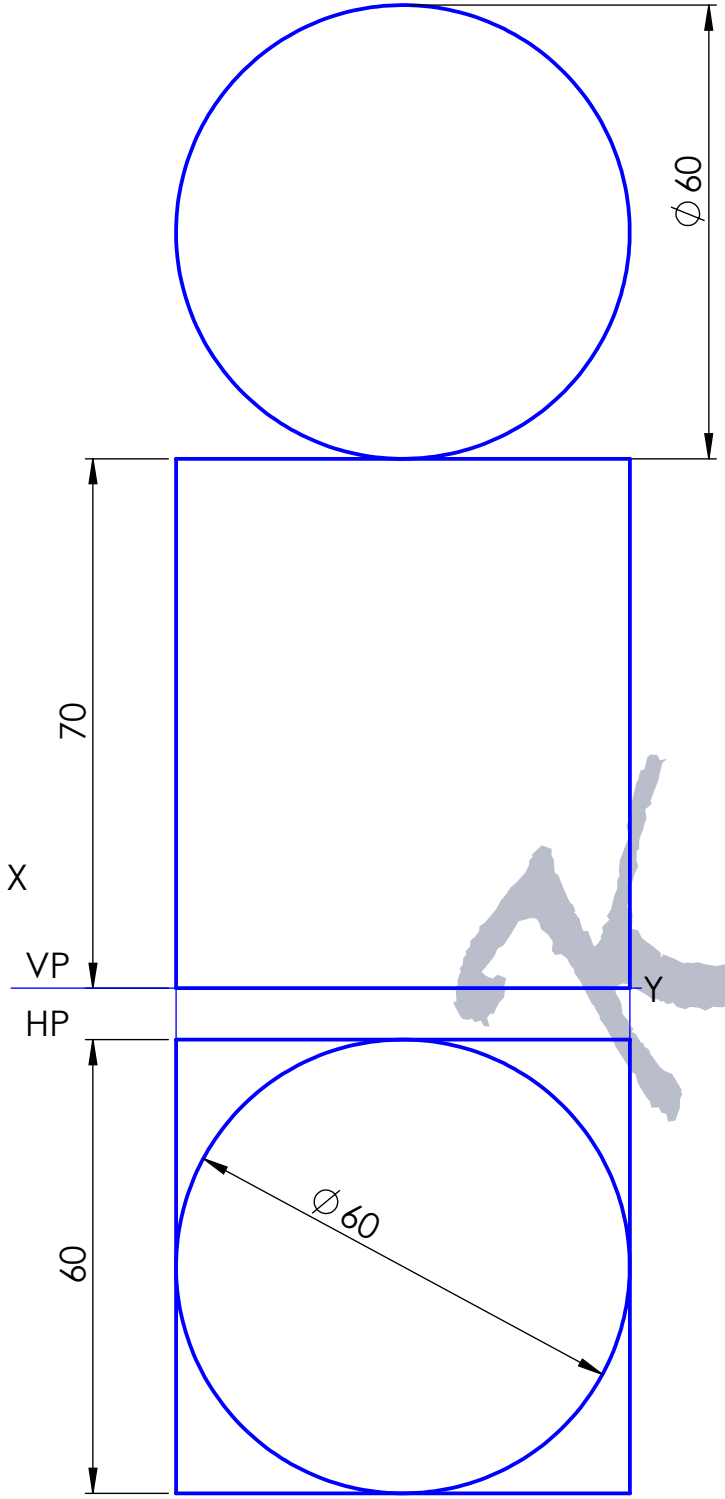


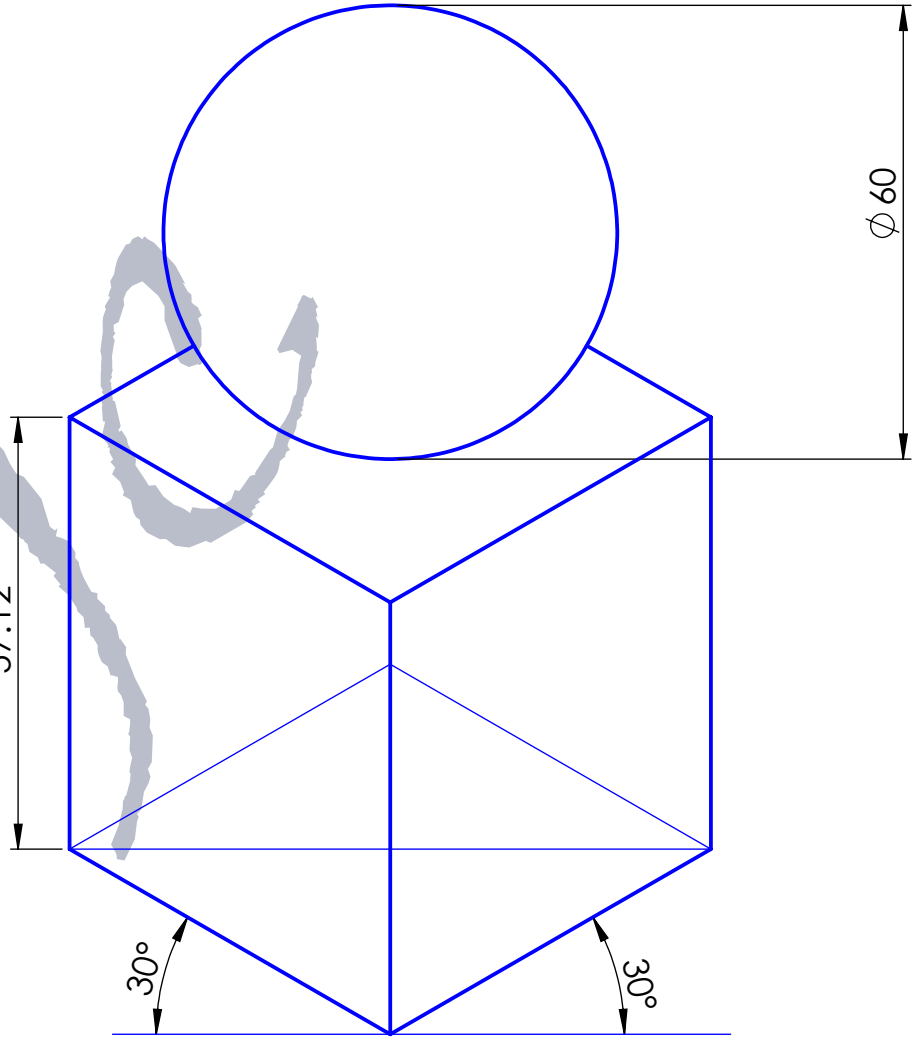
6.4 The frustum of a square pyramid of sides of top face 20 mm, bottom face 40 mm and height 60 mm rests centrally on top of a square block of side 60 mm and height 20 mm. The base edges of the pyramid are parallel to the top edges of the square block. Draw the isometric projection of combination of solids.



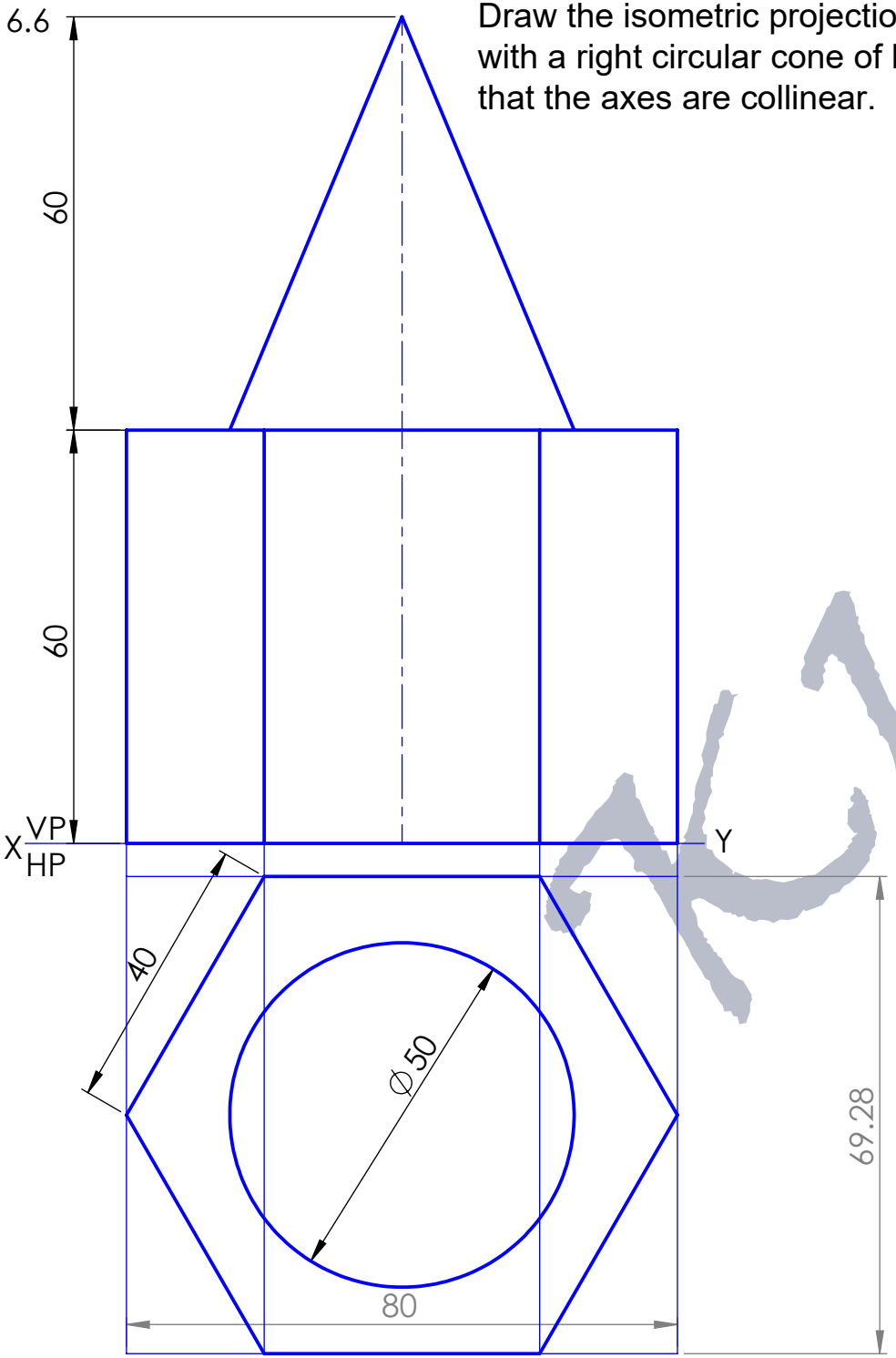
6.5

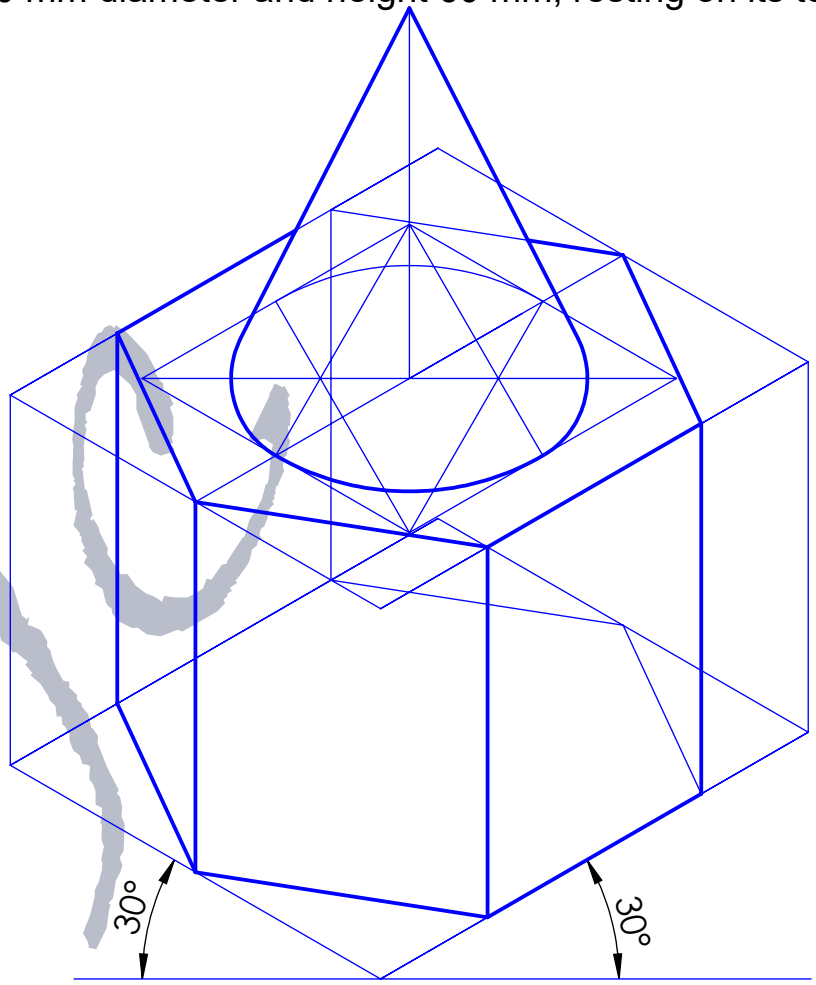
A sphere of diameter 60 mm is placed centrally on the top face of a square prism side 60 mm and height 70 mm. Draw the isometric projection of the combination.





Draw the isometric projection of a hexagonal prism of side of base 40 mm and height 60 mm with a right circular cone of base 50 mm diameter and height 60 mm, resting on its top such that the axes are collinear.





6.7 Draw the isometric projection of the combination of solids shown in Figure below.