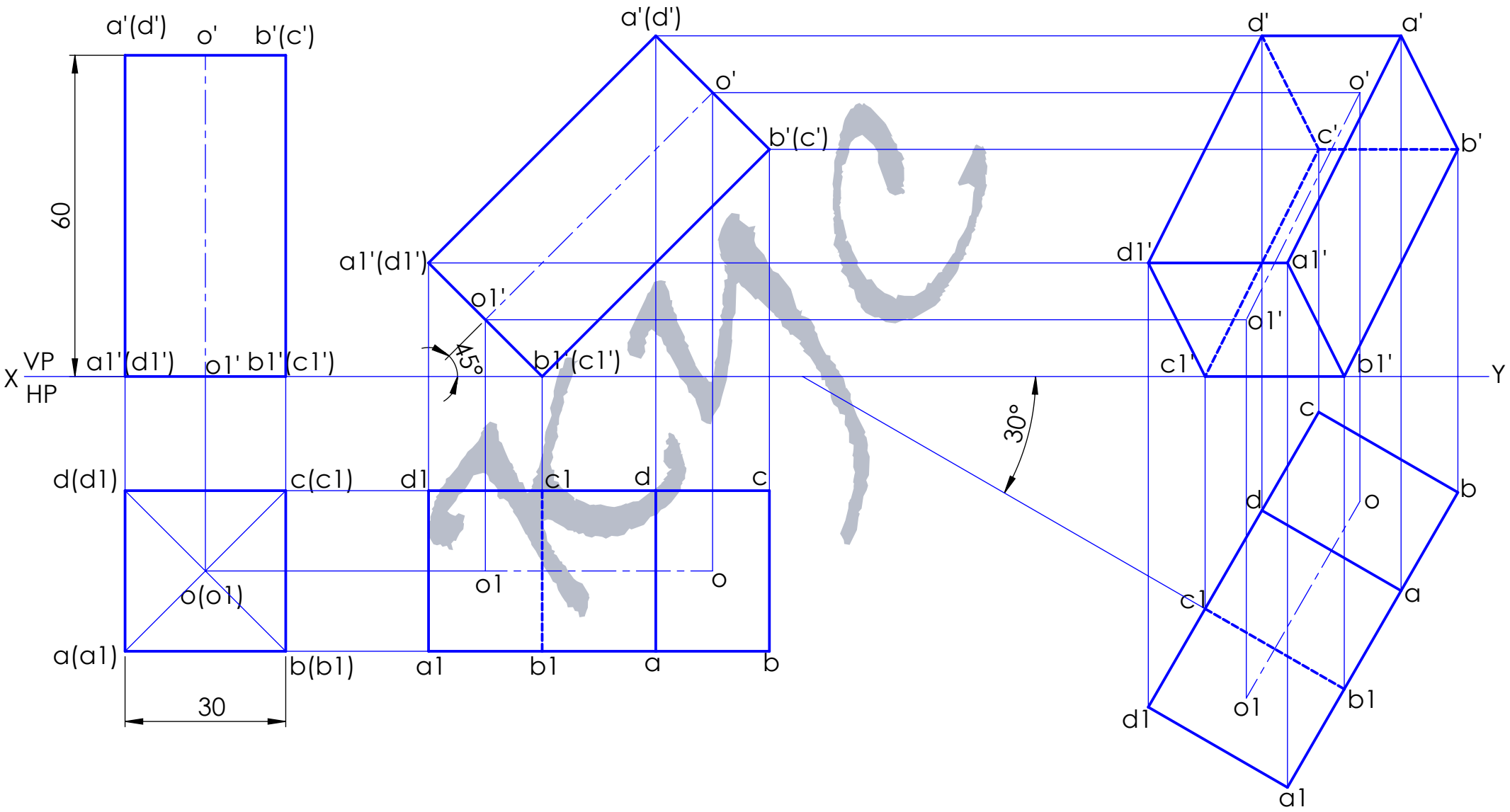
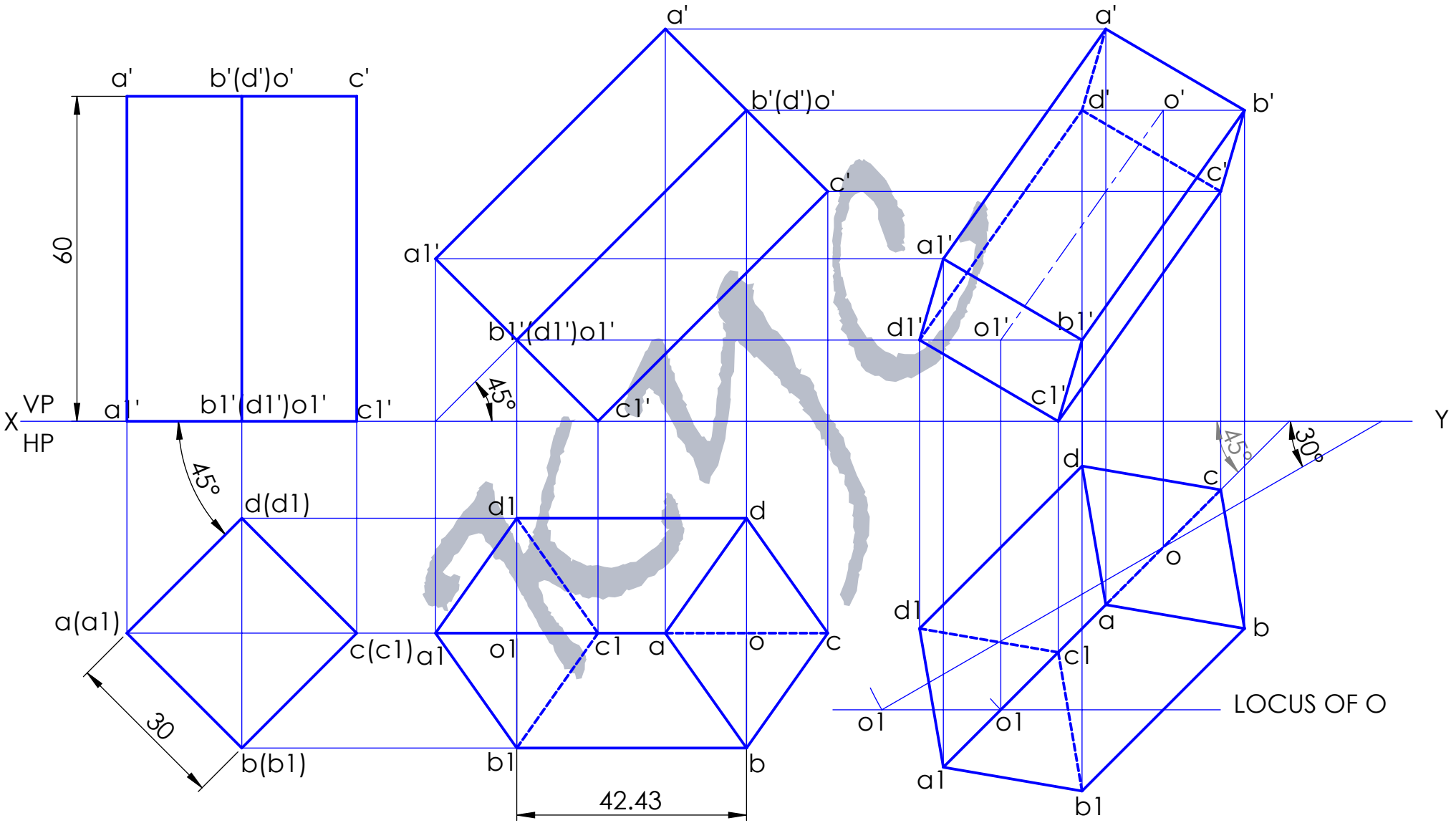
PROJECTIONS OF SOLIDS

5.1 A square prism of base sides 30mm and 60mm axis length rests on HP on one of its base edges which is inclined at 30° to VP. Draw its projections when the axis is inclined at 45° to HP.



NAME: ROLL NO: USN: BATCH: DATE:

5.2 A square prism of base sides 30 mm and 60 mm axis length rests on HP on one of its base corners in such a way that the axis is inclined at 45° to HP. Draw its projections when the axis is inclined at 30° to VP.



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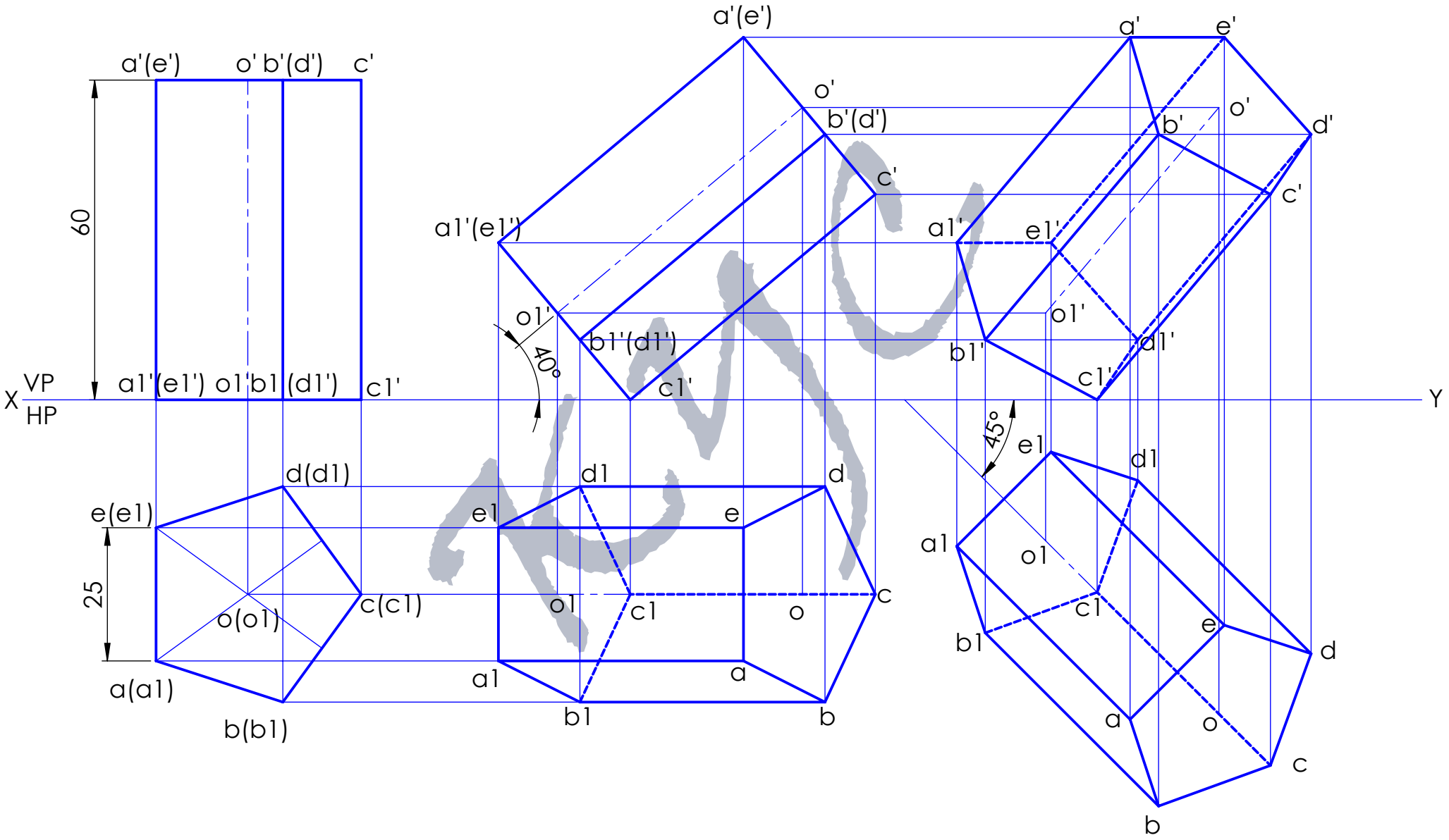
5.3 A pentagonal prism of base sides 25mm and 60mm axis length rests on HP on one of its base corners such that the two base edges containing the corner on which it rests make equal inclinations with HP. Draw the projections when the axis is inclined at 40° to HP and appears to be inclined at 45° to XY line.



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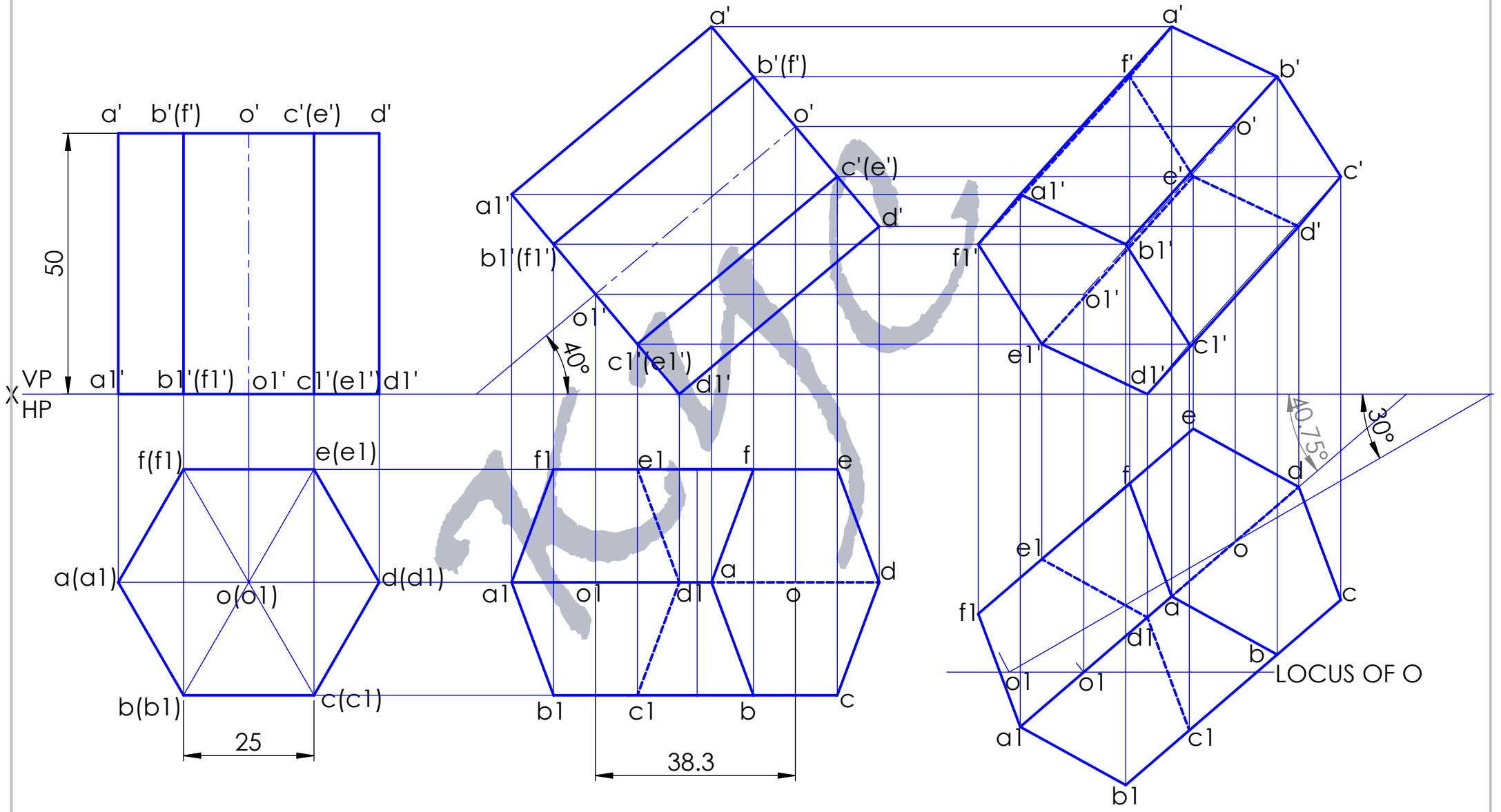
5.4 A hexagonal prism of base sides 25mm and 50mm axis length rests on HP on one of its base corners such that the two base edges containing the corner on which it rests make equal inclinations with HP. Draw the projections when the axis is inclined at 40° to HP and 30° to VP.



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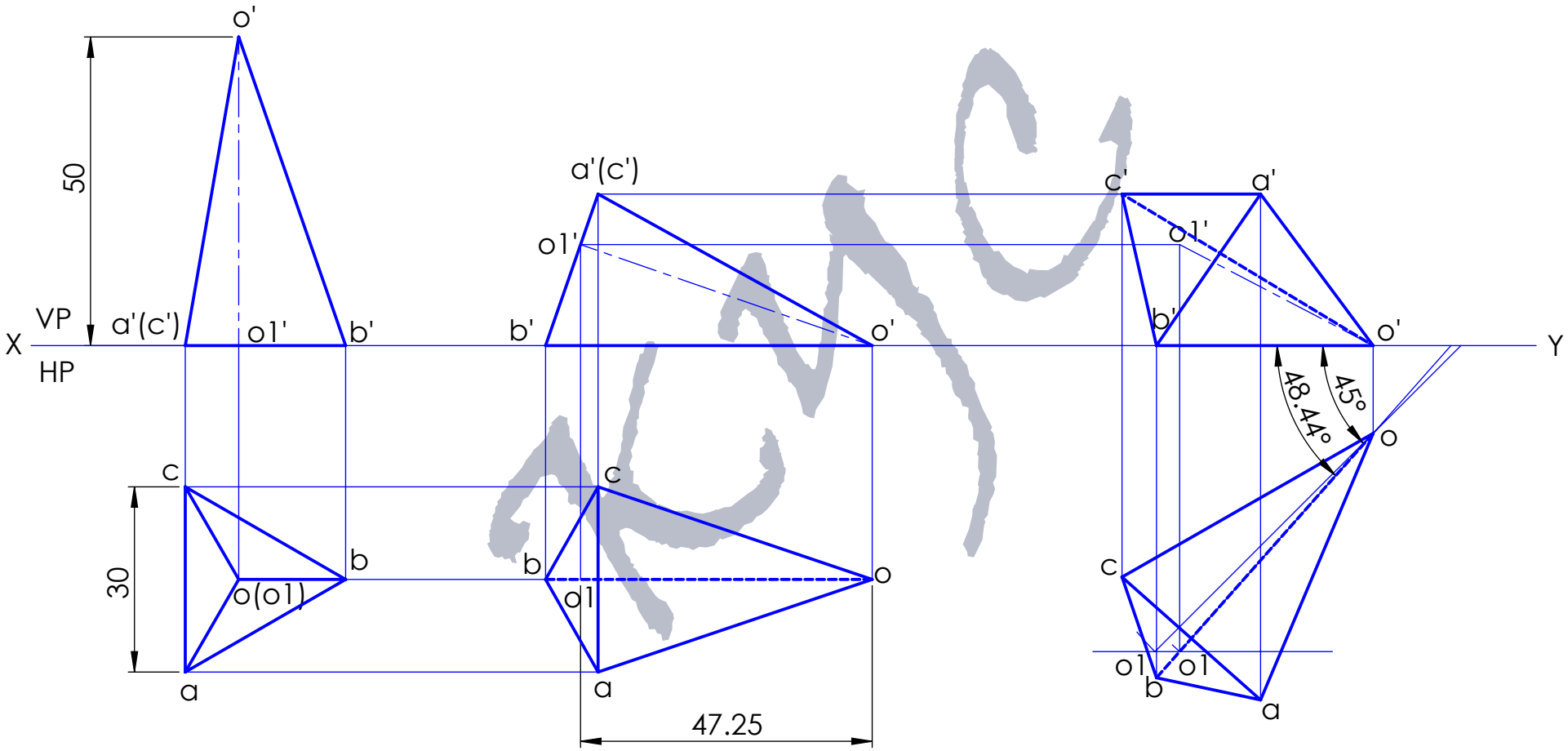
5.5 Atriangular pyramid 30 mm base edges and 50 mm axis length rests on HP on one of its slant edges. Draw the projection of the pyramid when the axis is inclined to VP at 45°.



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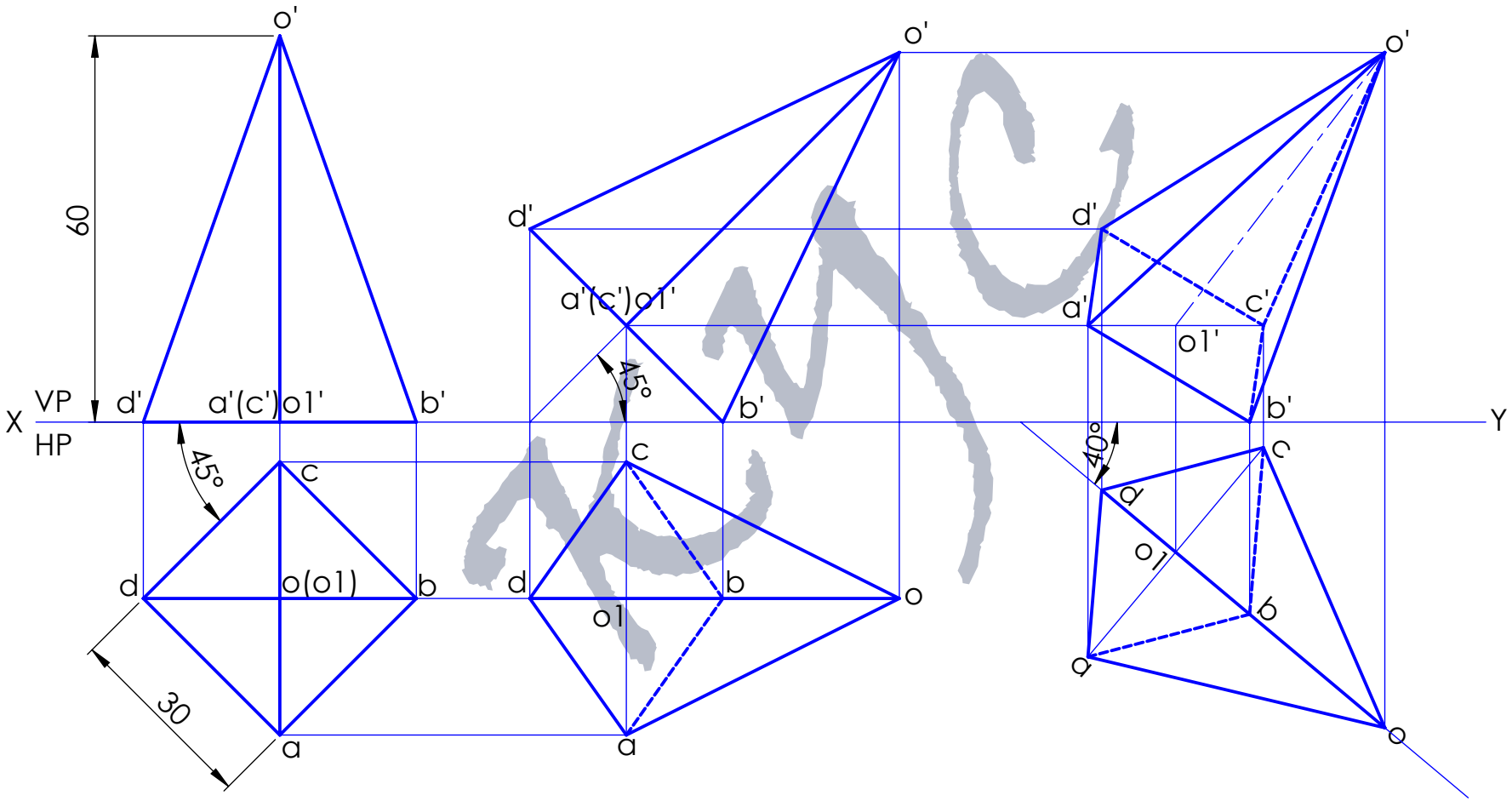
5.6 A square pyramid 30 mm base edge and 60 mm axis length rests on HP on one of its base corners such that the two base edges containing the corner on which it rests make equal inclinations with HP. Draw the projections when the axis is inclined at 45° HP and top view of the axis makes 40° to XY line when the apex is nearer to the observer.



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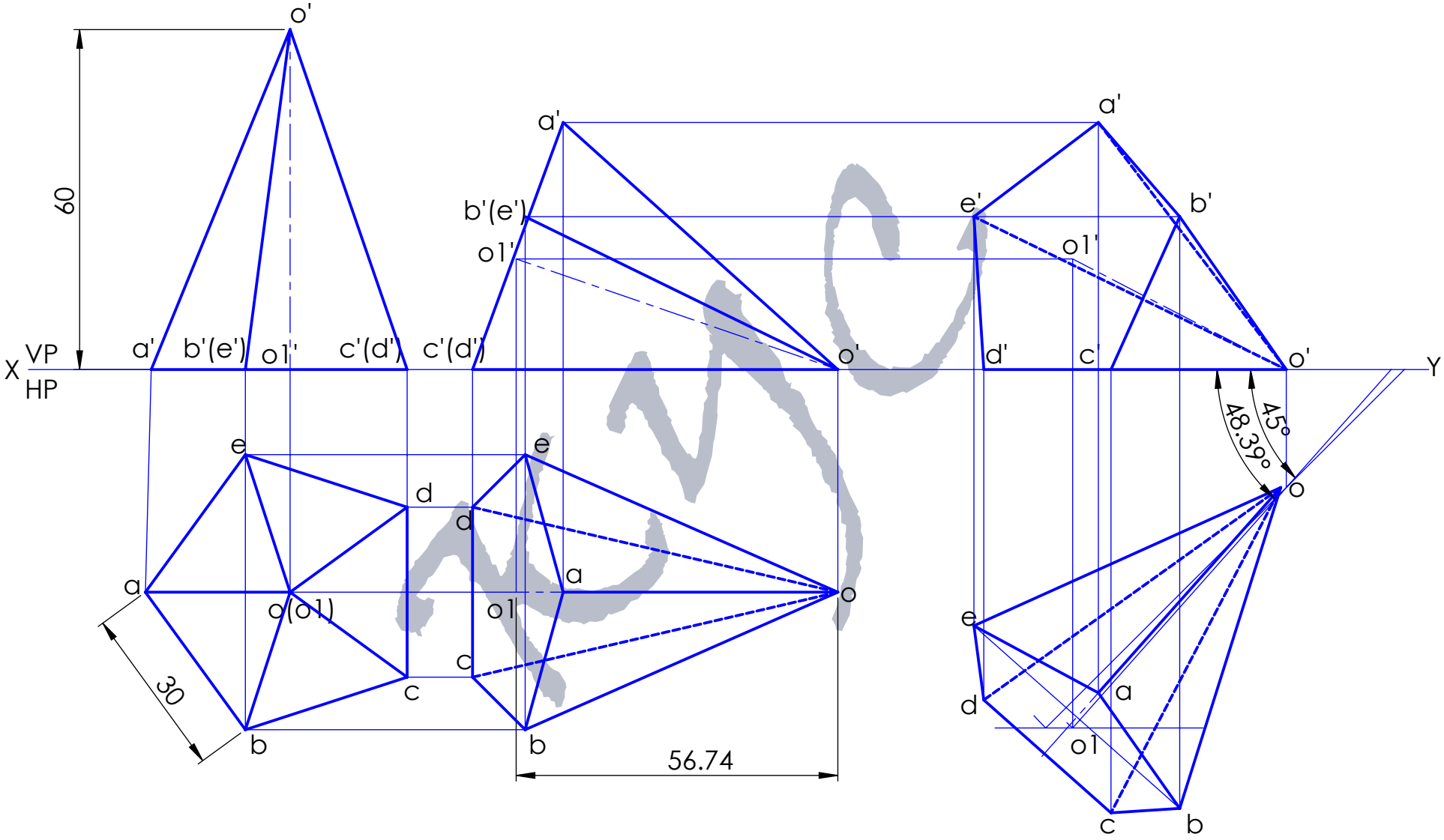
5.7 A pentagonal pyramid 30 mm base edges and 60 mm axis length rests on HP on one of its triangular faces. Draw the projections of the pyramid when the axis is inclined to VP at 45° and the base is nearer to the observer.



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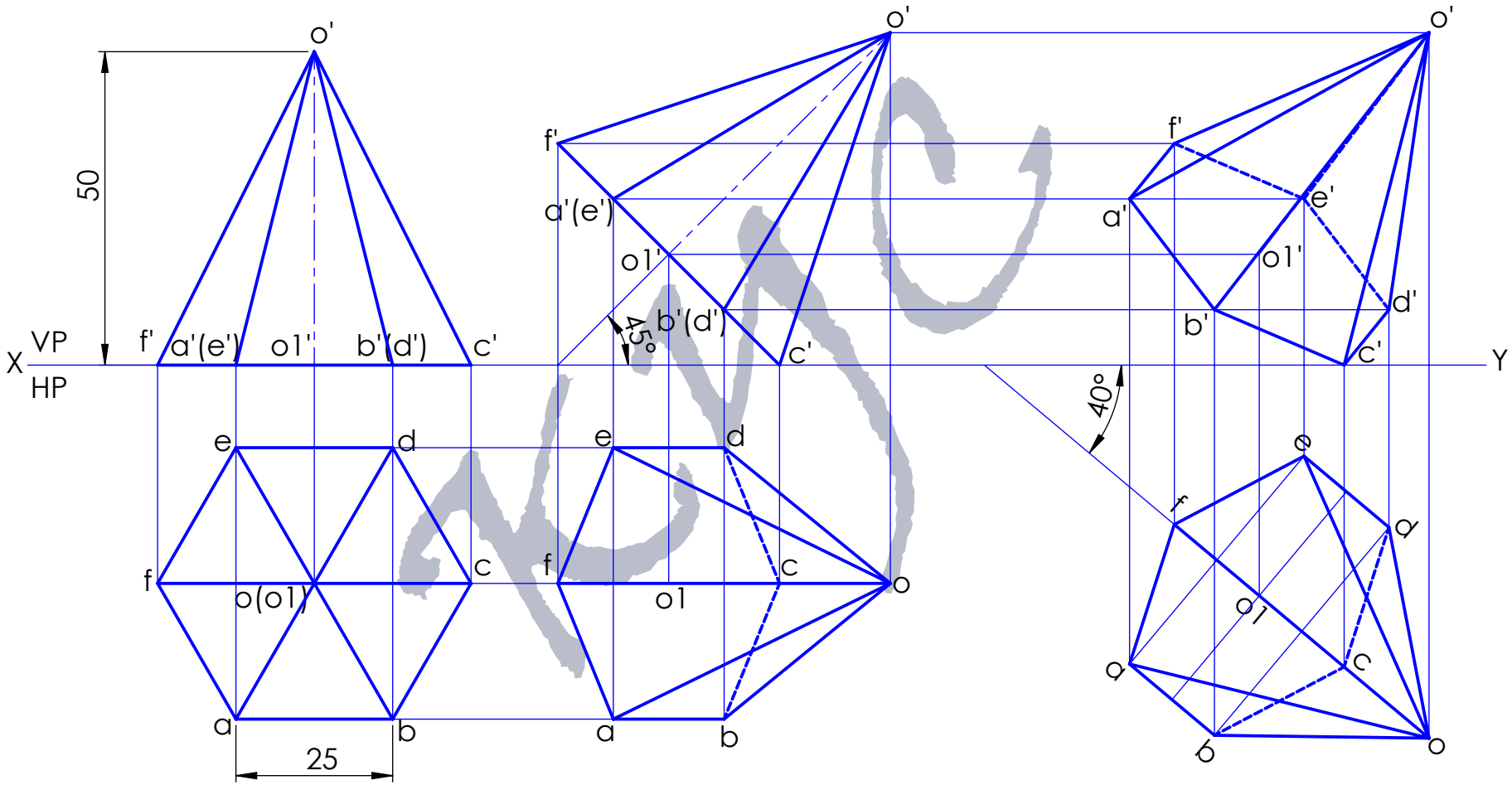
5.8 A hexagonal pyramid of base edge 25mm and height 50mm rests on HP on one of its base corners such that the two base edges containing the corner on which it rests make equal inclinations with HP. Draw the projections when the axis is inclined at 45°to HP and top view of the axis makes 40° to XY line when the apex is nearer to the observer.



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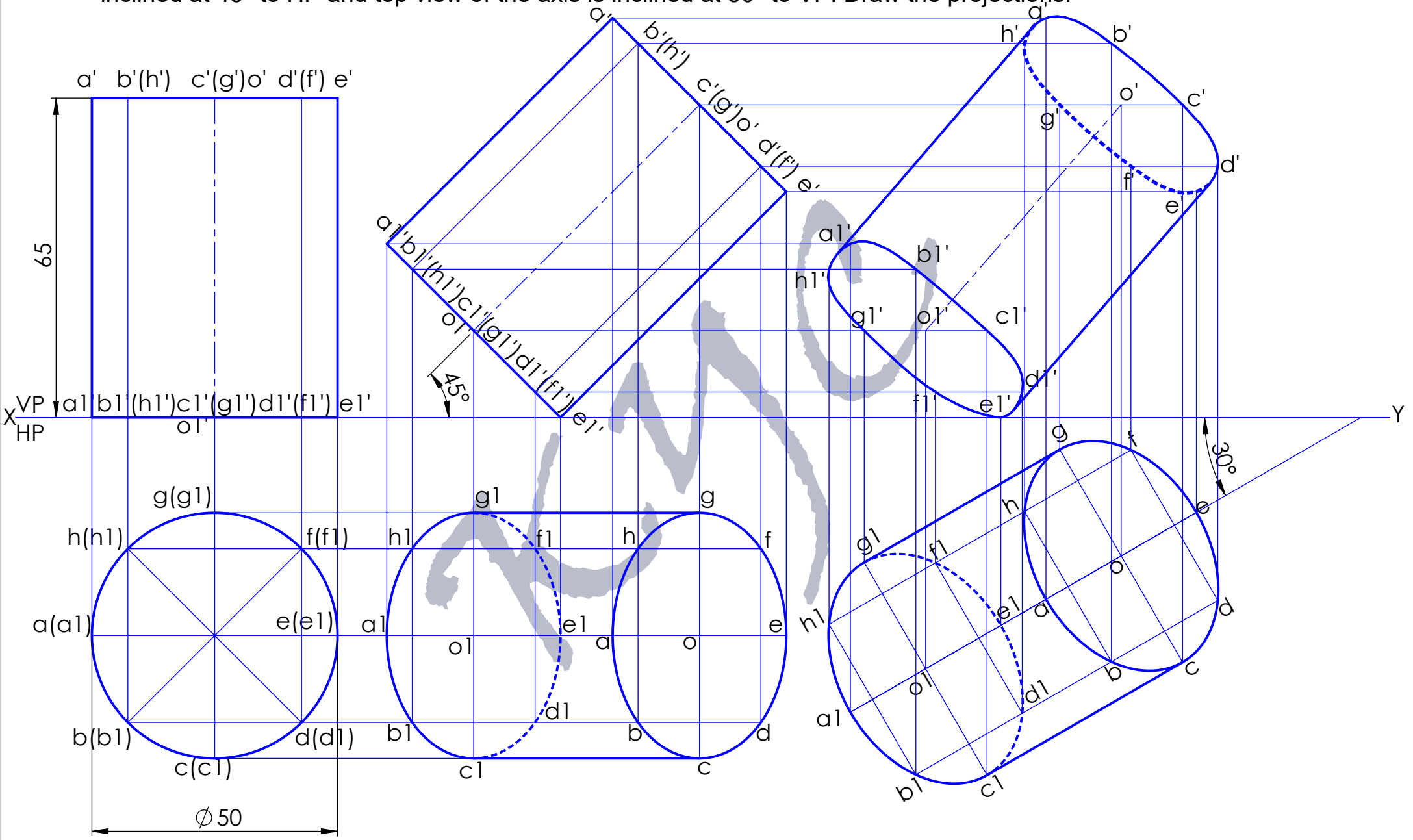
5.9 A cylinder of base circle diameter of 50mm and 65mm axis length rests on HP on one of its base point on HP with its axis inclined at 45° to HP and top view of the axis is inclined at 30° to VP. Draw the projections.



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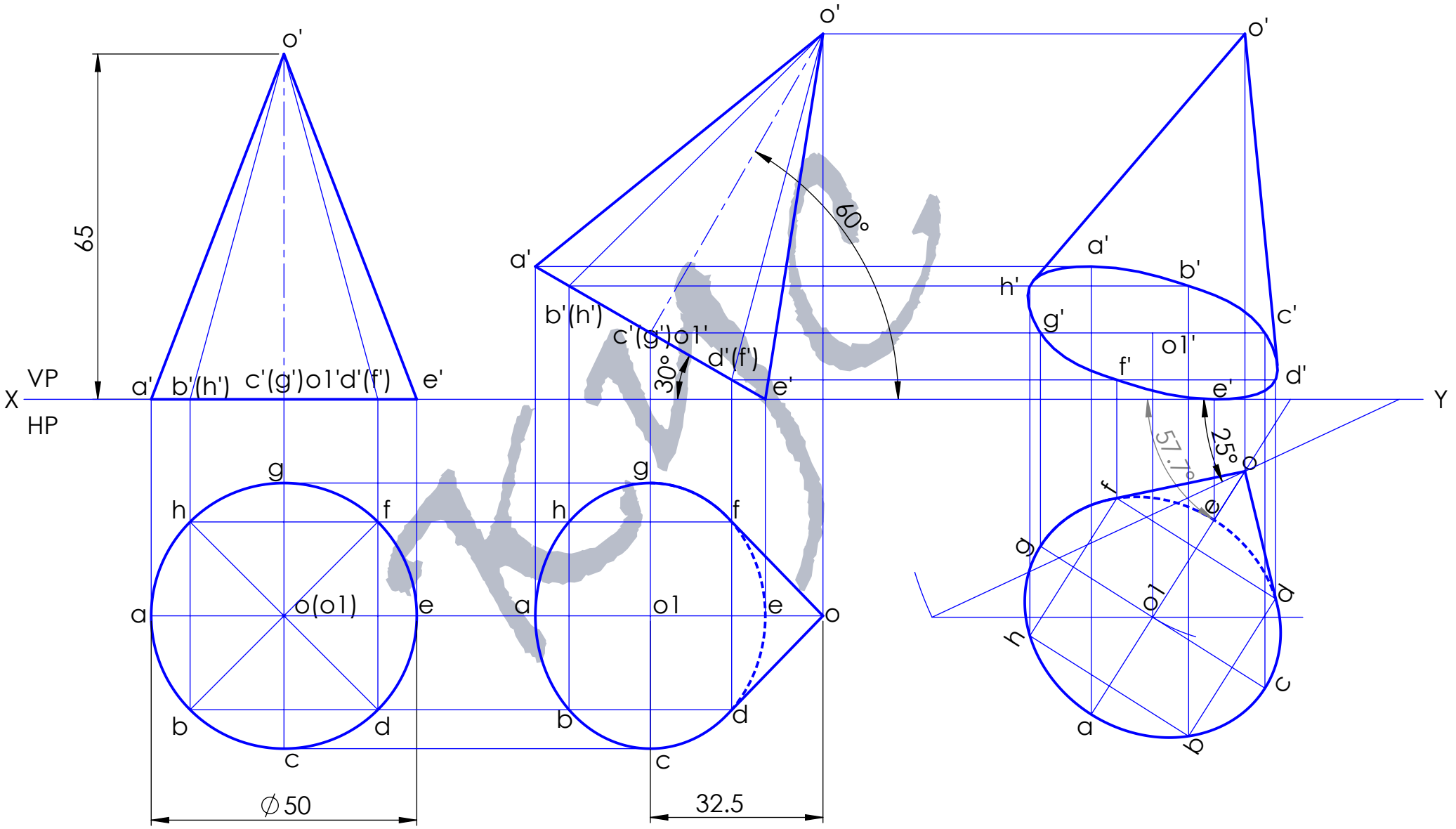
5.10 A cone of base circle diameter of 50 mm and 65 mm axis length is resting on a base point on HP. Base makes 30° to HP. Draw the projection of the cone when the axis is inclined at **25° to VP.**



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