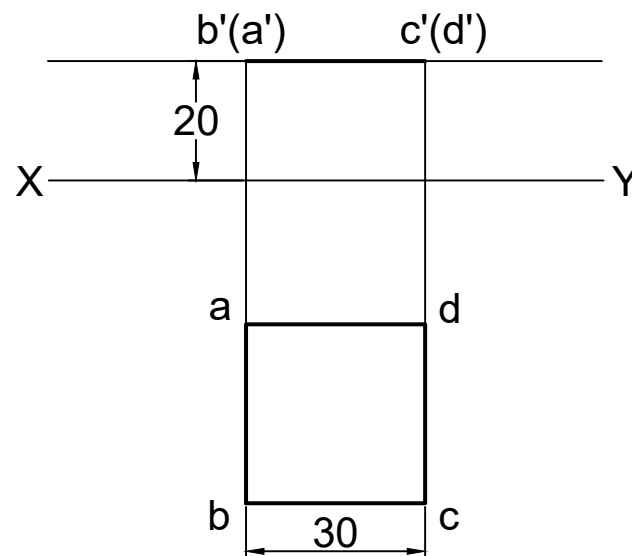


1. A Square Plane ABCD of side 30mm is Parallel to H.P and 20mm away from it. Draw the projections of the plane when one of its sides is Perpendicular to V.P.

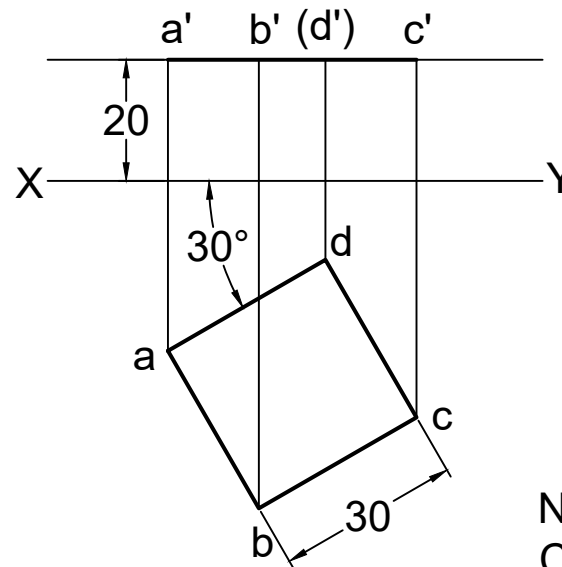
Note: All dimensions are in mm



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2. A Square Plane ABCD of side 30mm is Parallel to H.P and 20mm away from it. Draw the projections of the plane when one of its sides Inclined at 30° to V.P.

Note: All dimensions are in mm



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3. A Rectangular Plane ABCD of 50 x 30 mm is Parallel to H.P and 20 mm away

from it. Draw the projections of the plane, when one of its

i. Longer side is perpendicular to V.P

ii. Longer side is Parallel to V.P

iii. Longer side is inclined at 30° to V.P

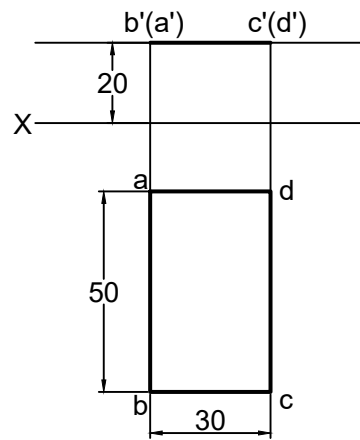
iv. Shorter side is inclined at 30° to V.P

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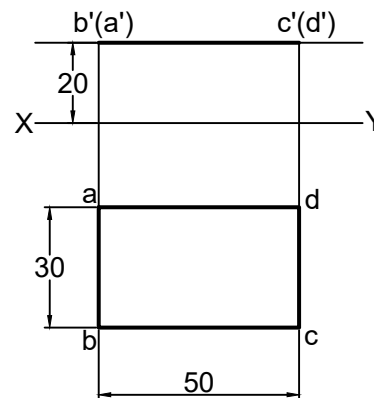
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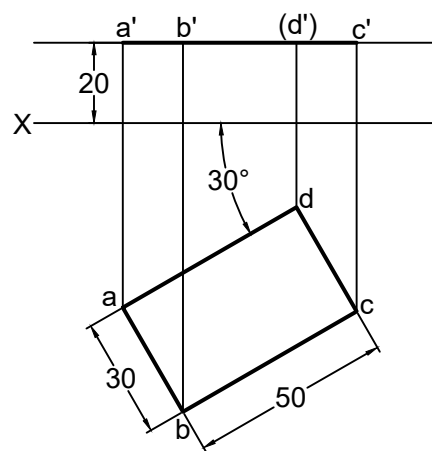
Note: All dimensions are in mm



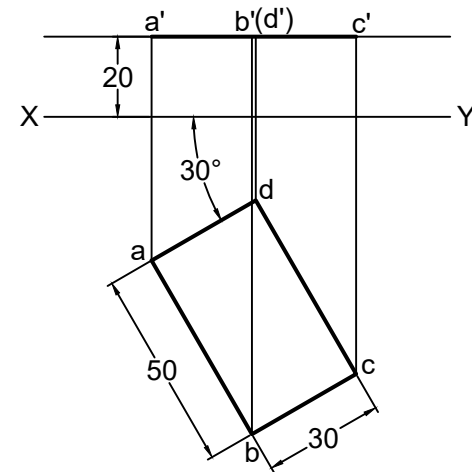
(i)



(ii)



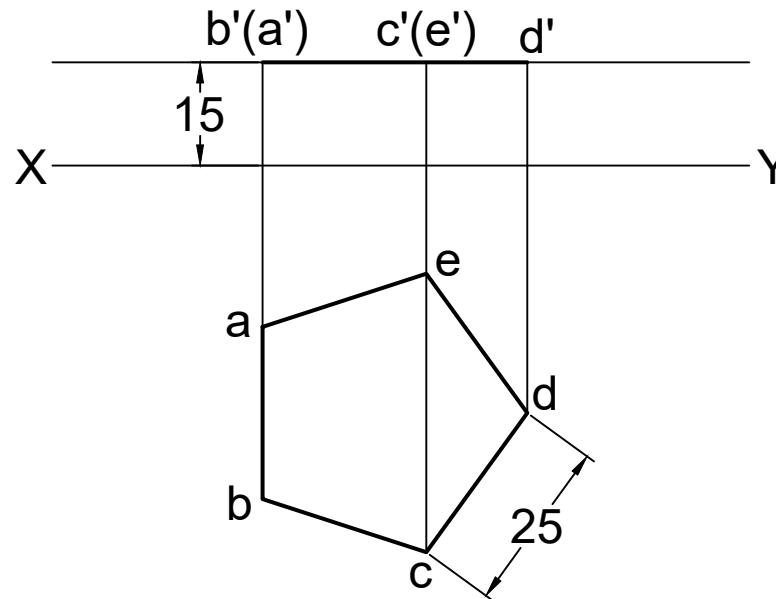
(iii)



(iv)

4. A Regular pentagon of 25mm side is parallel to H.P and Perpendicular to V.P. The plane is 15 mm above H.P and an edge of it lies on V.P. Draw its projections.

Note:All dimensions are in mm



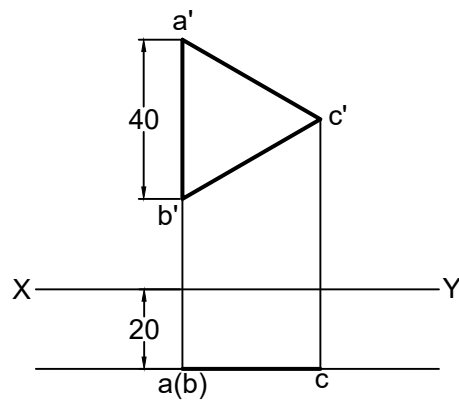
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5. An Equilateral triangular plane ABC of side 40 mm has its plane parallel to V.P and 20mm away from it. Draw the projections of the plane when one of its sides is

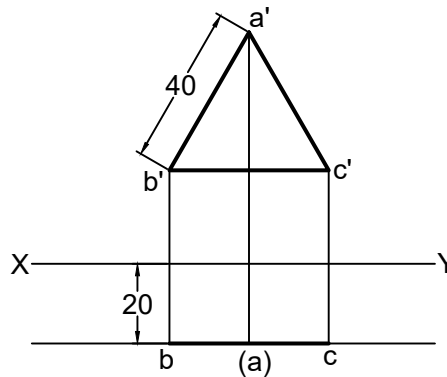
- i. Perpendicular to H.P
- ii. Parallel to H.P
- iii. Inclined at 45° to H.P

Note:All dimensions are in mm

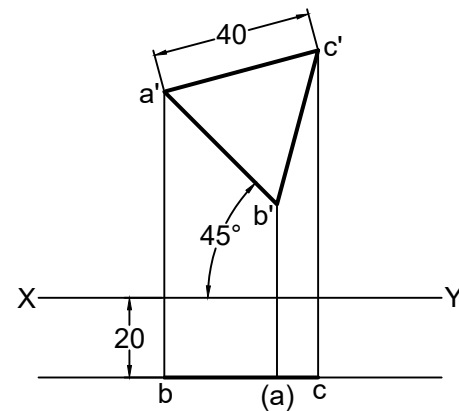
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(i)



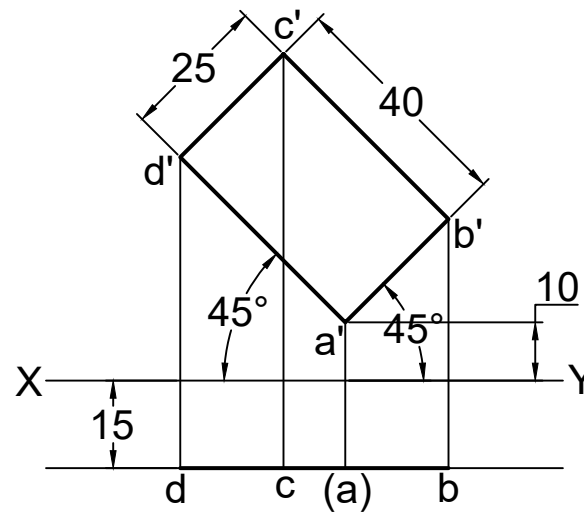
(ii)



(iii)

6. A Rectangle ABCD of side 40 x 25 mm has a corner A 10 mm above H.P and 15 mm in front of V.P, All the sides of Rectangle are equally inclined to H.P and Parallel to V.P. Draw its projections.

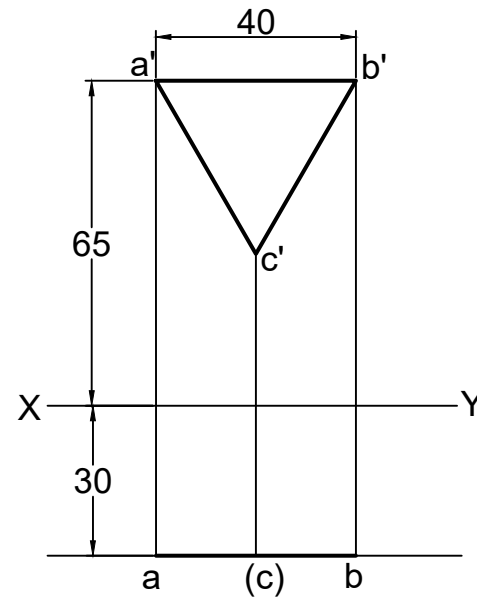
Note:All dimensions are in mm



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7. An Equilateral Triangle ABC of 40 mm side is parallel to and 30mm in front of V, P. Its base AB is parallel to and 65mm above H.P. Draw the projections of the triangle when the corner C is nearer to the H.P

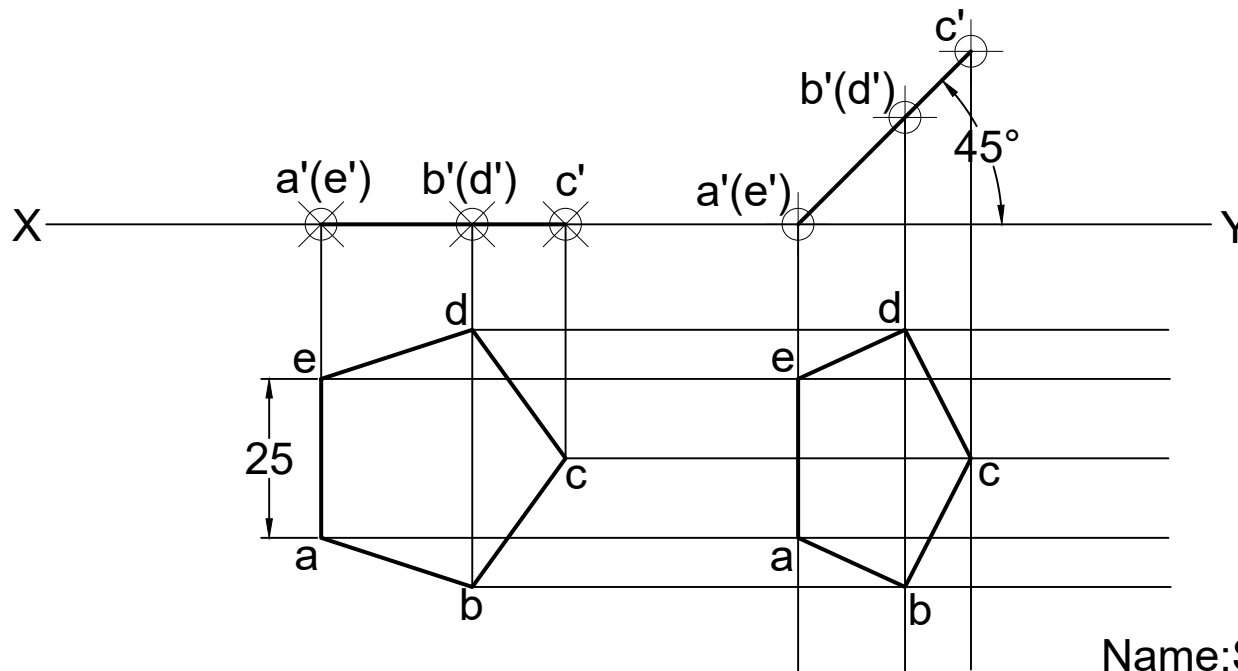
Note: All dimensions are in mm



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8. A regular pentagon of 25 mm side has one side on the ground. Its plane is inclined 45° to the H.P and perpendicular to the V.P Draw its projections.

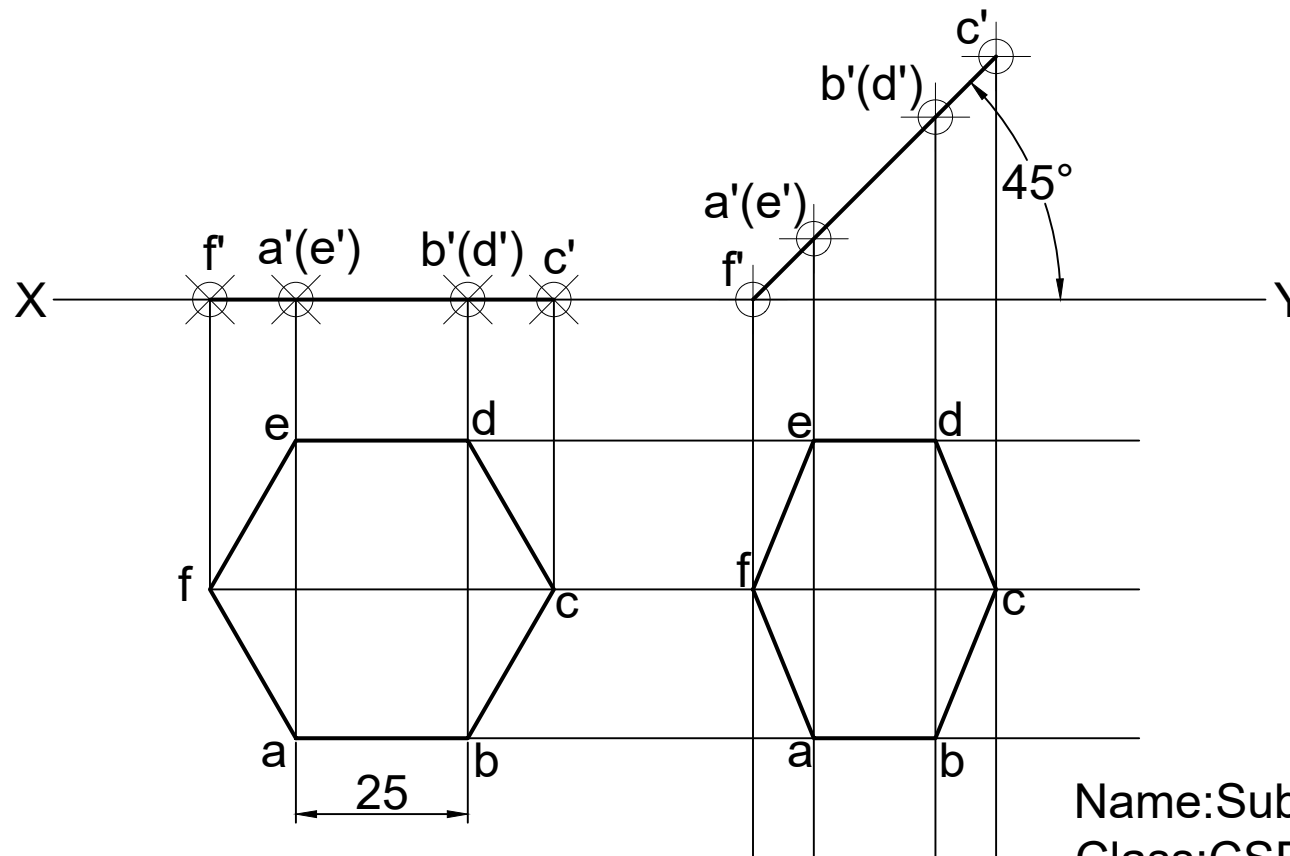
Note: All dimensions are in mm



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9. A regular Hexagon of 25 mm side has one corner on the ground. Its plane is inclined 45° to the H.P and perpendicular to the V.P. Draw its projections.

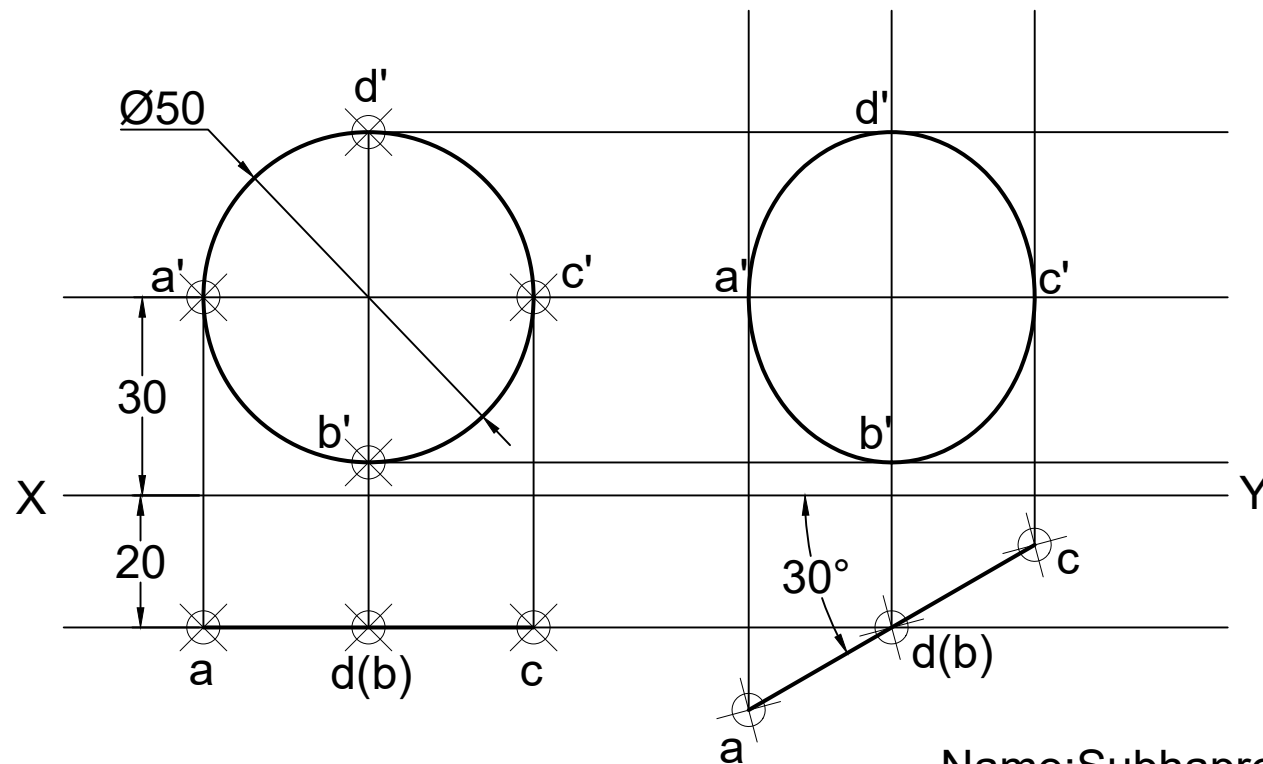
Note:All dimensions are in mm



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10. Draw the projections of a circle of 5cm diameter having its plane vertical and inclined at 30° to V.P. Its centre is 3 cm above Hp and 2 cm in front of V.P.

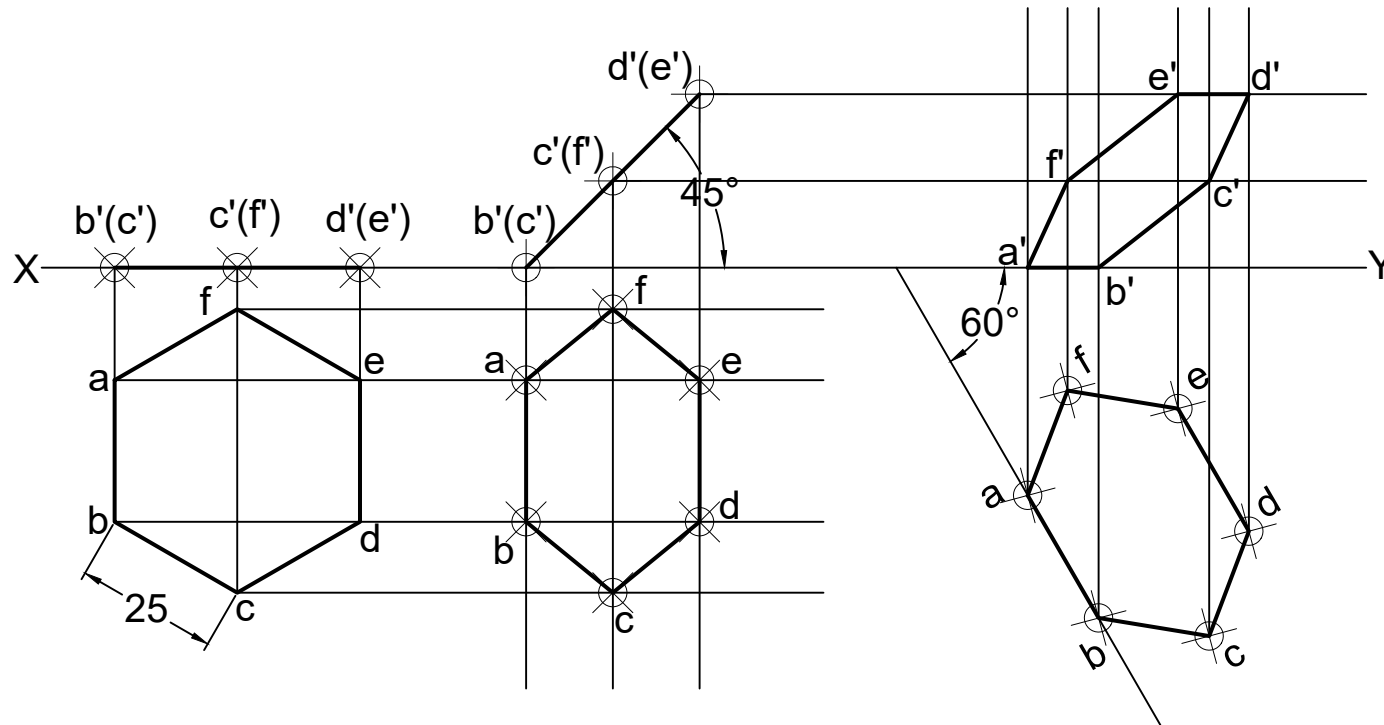
Note:All dimensions are in mm



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11. Draw the projections of a regular hexagon of 25 mm side having one of its sides in the H.P and inclined at 60° to V.P and its surface making an angle of 45° with H.P.

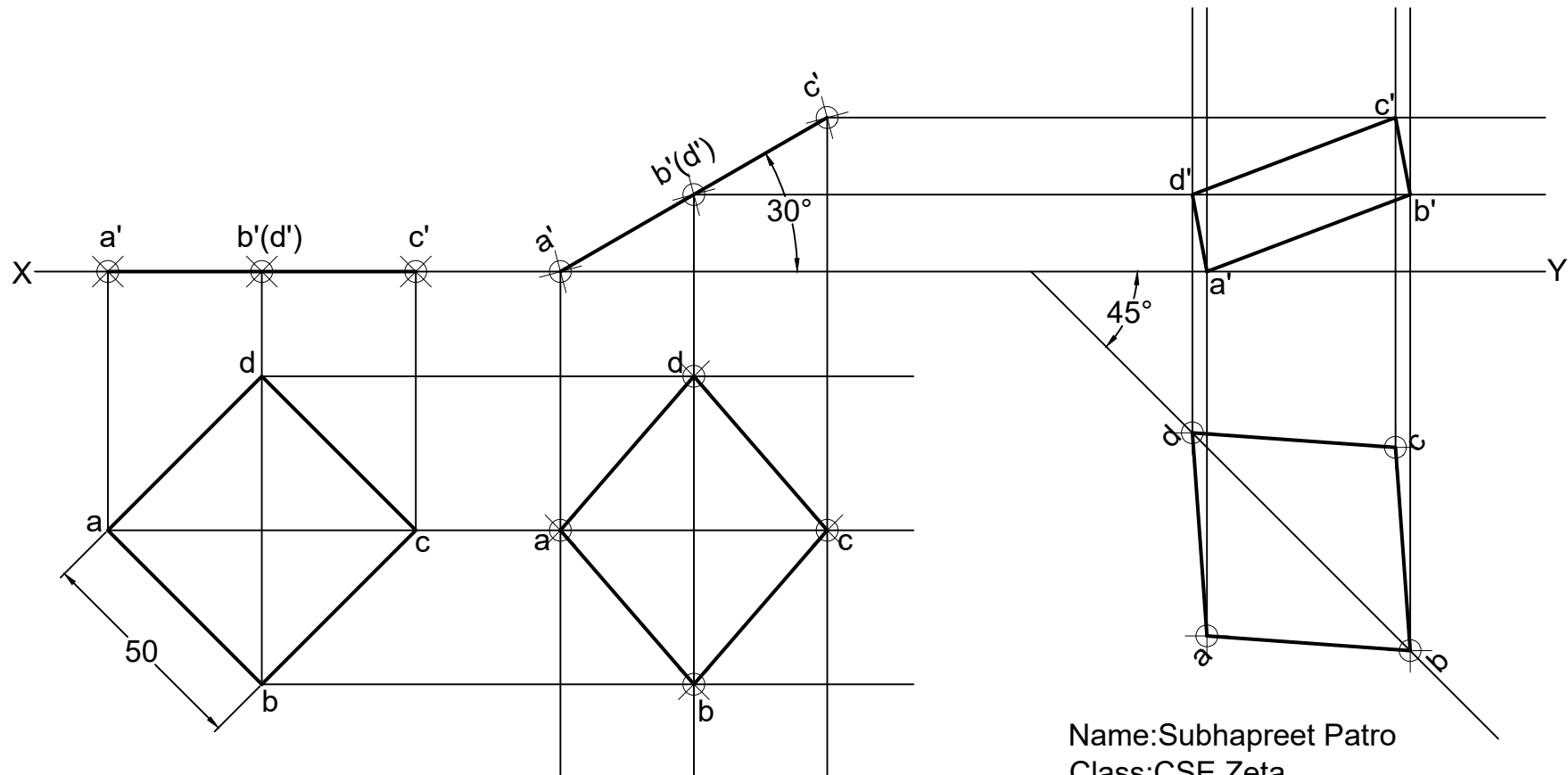
Note:All dimensions are in mm



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12. A square ABCD of 50 mm side has its corner A in the H.P. its diagonal AC is inclined at 30° to the H.P and the diagonal BD inclined at 45° to the VP and parallel to H.P. Draw its projections.

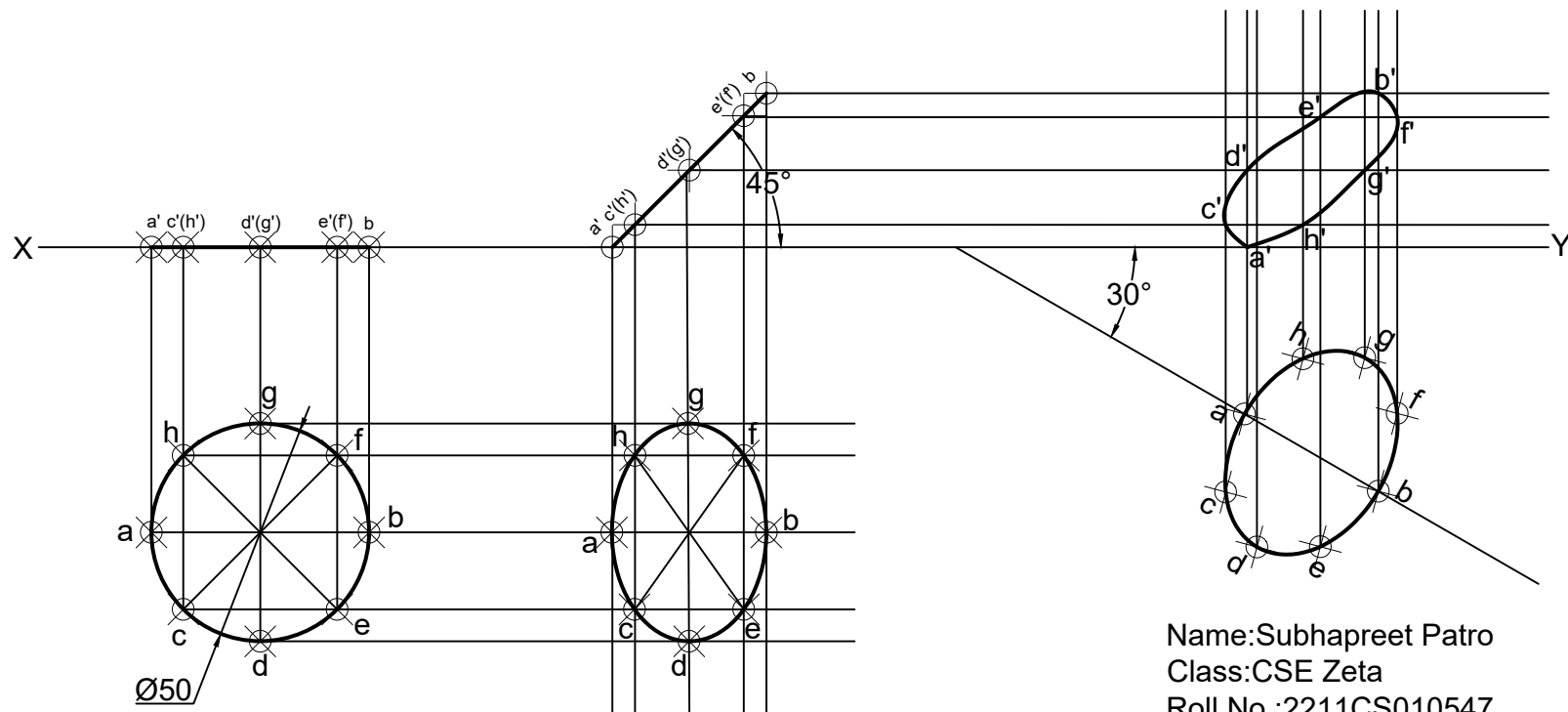
Note:All dimensions are in mm



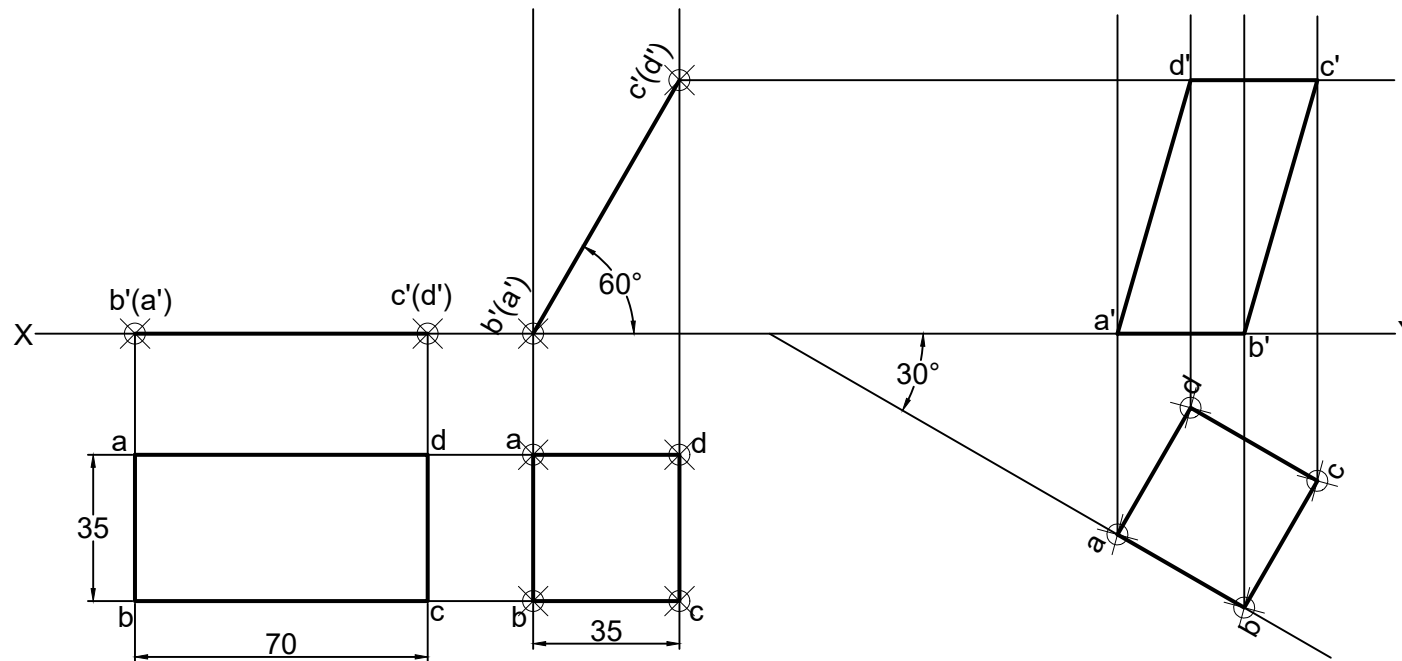
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13. Draw the projections of a circle of 50 mm diameter resting in the H.P and a point A on the circumference. Its plane is inclined at 45° to the Hp and the top view of the diameter AB making an angle of 30° with the V.P.

Note:All dimensions are in mm



14. A rectangular plane of edges 35 mm and 70 mm is resting on an edge in the H.P. The surface is inclined to the H.P. such that the top view appears as a square. Draw its projections when the edge resting on the H.P. is inclined at 30° to the V.P.

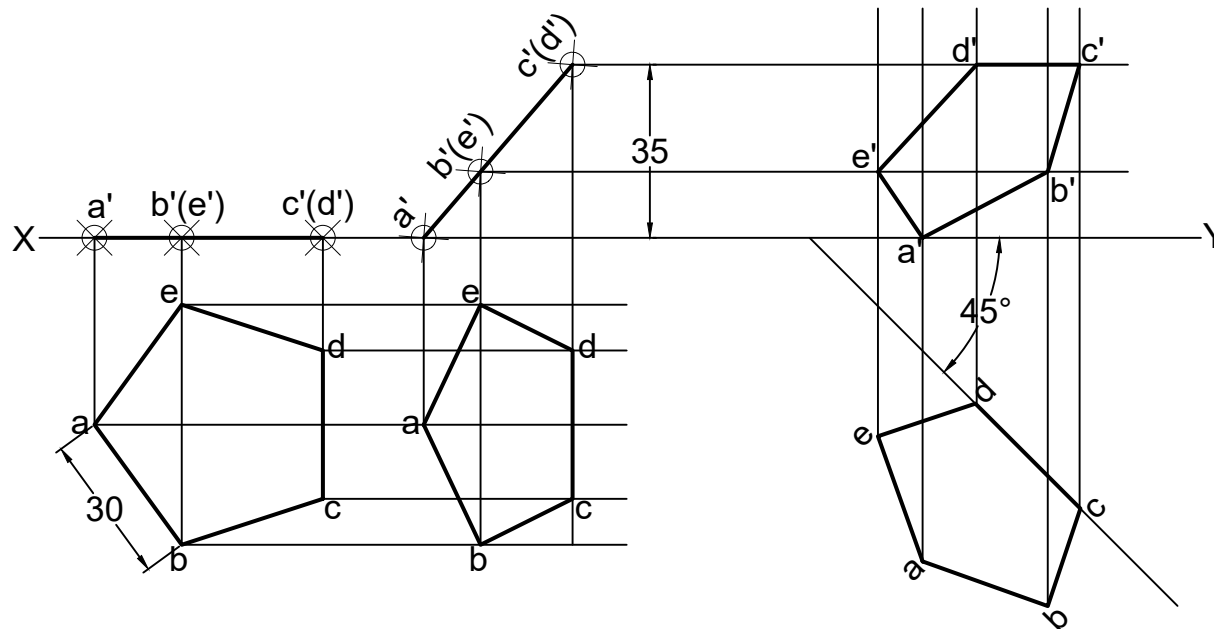


Note:All dimensions are in mm

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15. A pentagonal plane of side 30 mm is resting on a corner in the H.P. The side opposite to the corner in the H.P. is parallel to and 35 mm above H.P. and inclined at 45° to the V.P. Draw its three principal views

Note: All dimensions are in mm



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