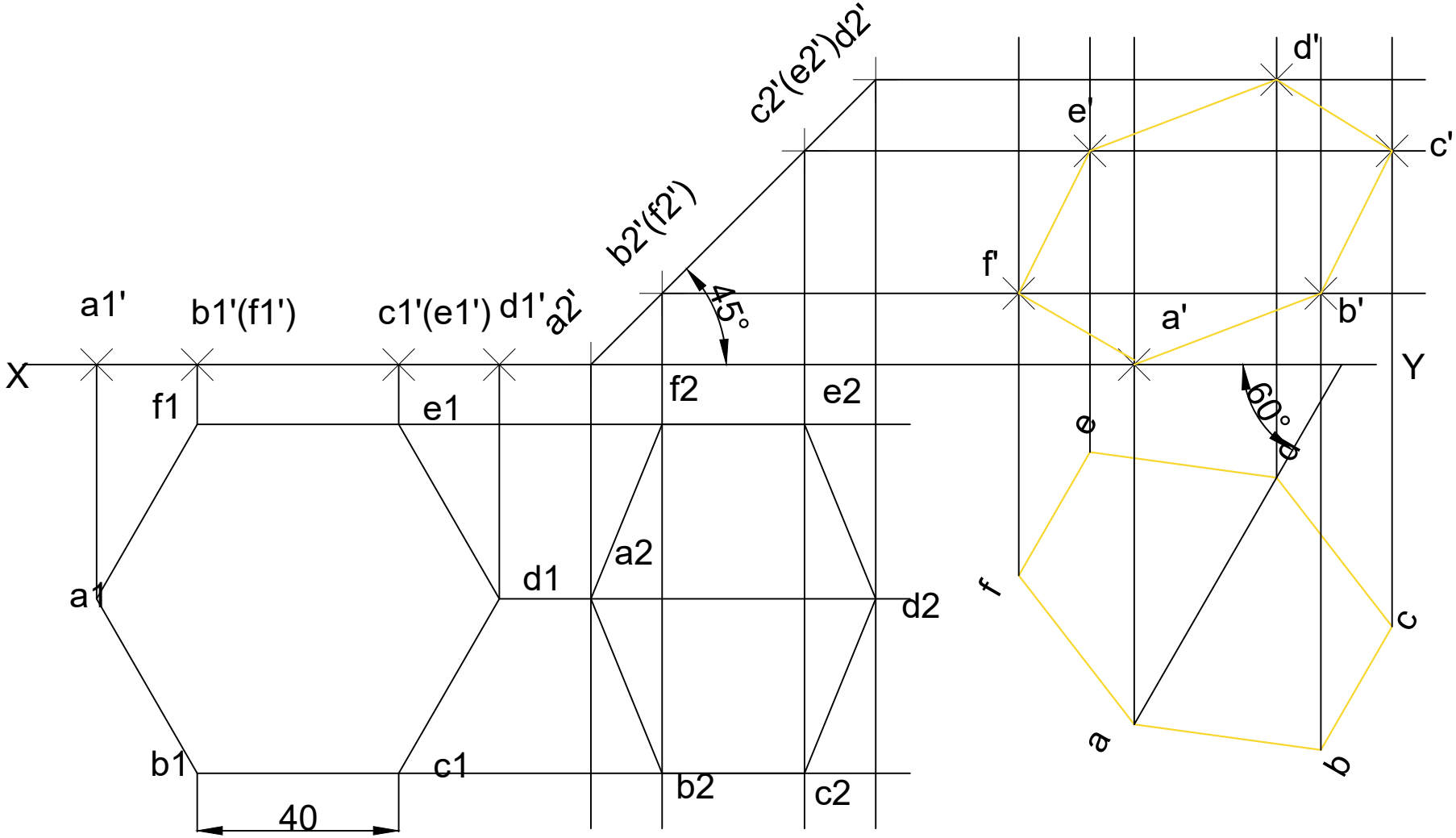
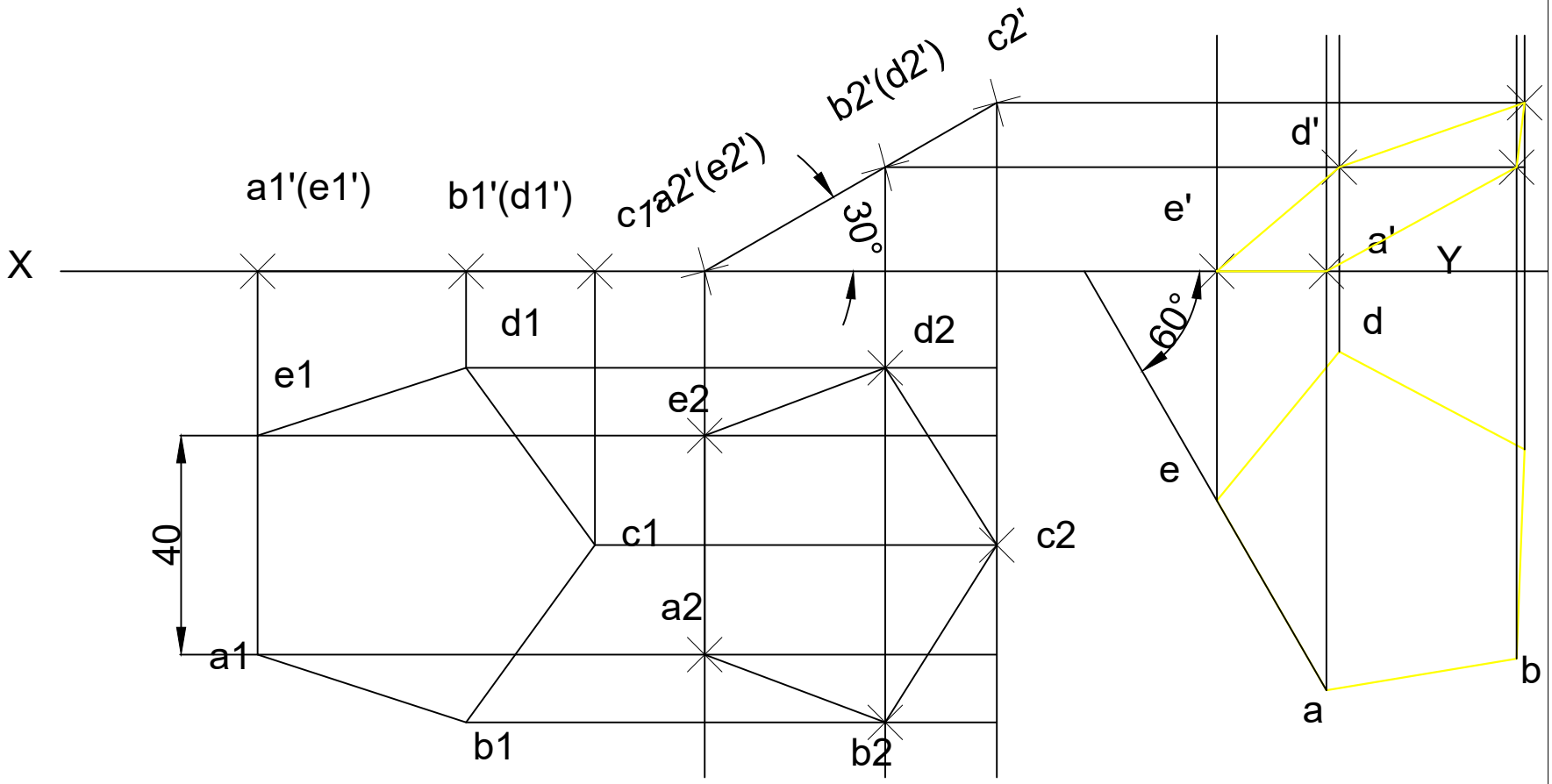
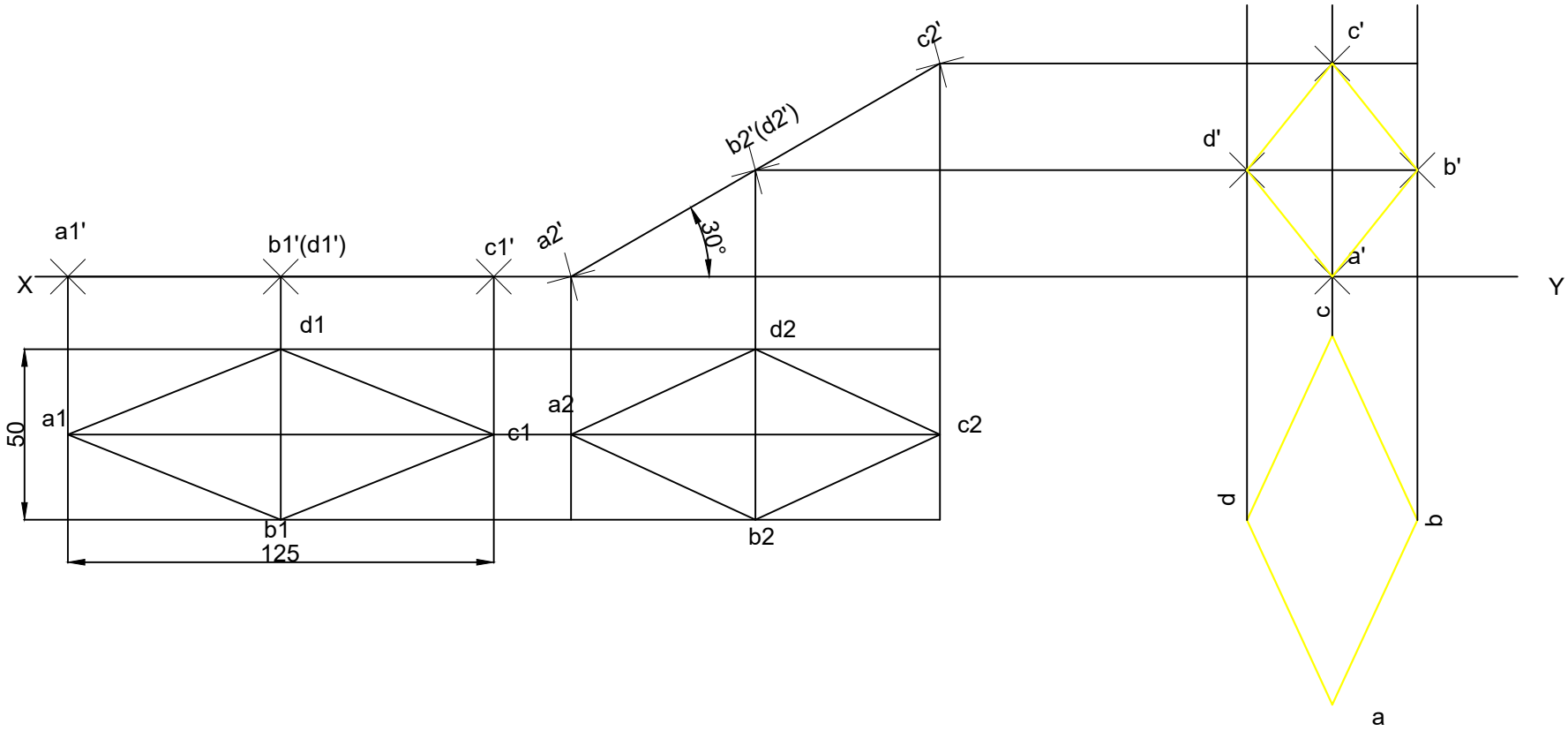
A regular hexagon of 40mm side has a corner in the HP. Its surface is inclined at 45^0 to the HP and the top view of the diagonal through the corner which is in the HP makes an angle of 60^0 with the VP. Draw its projections.



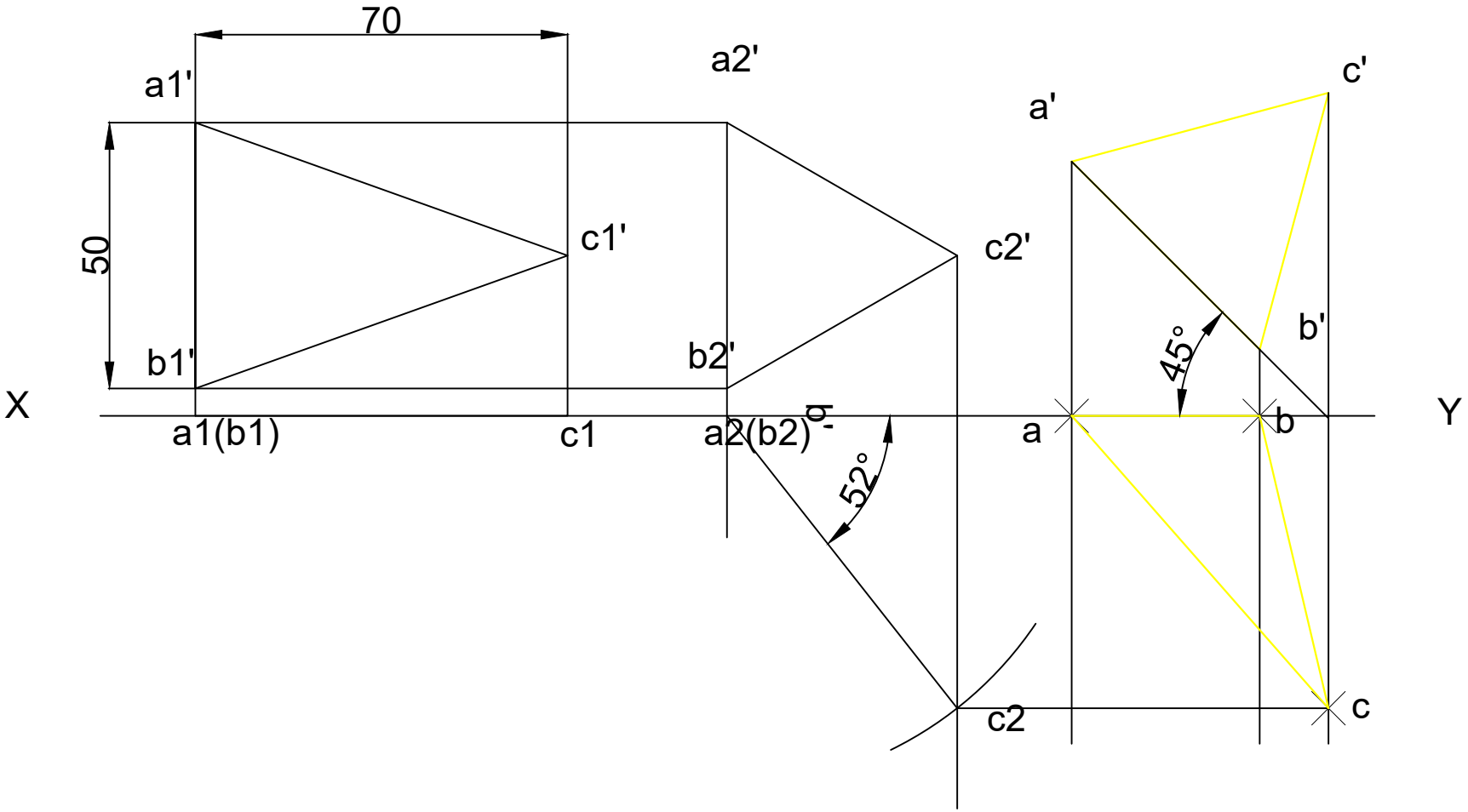
Draw the projections of a regular pentagon of 40mm side, having its surface inclined at 30^0 to the HP and a side parallel to the HP and inclined at an angle 60^0 to the VP.



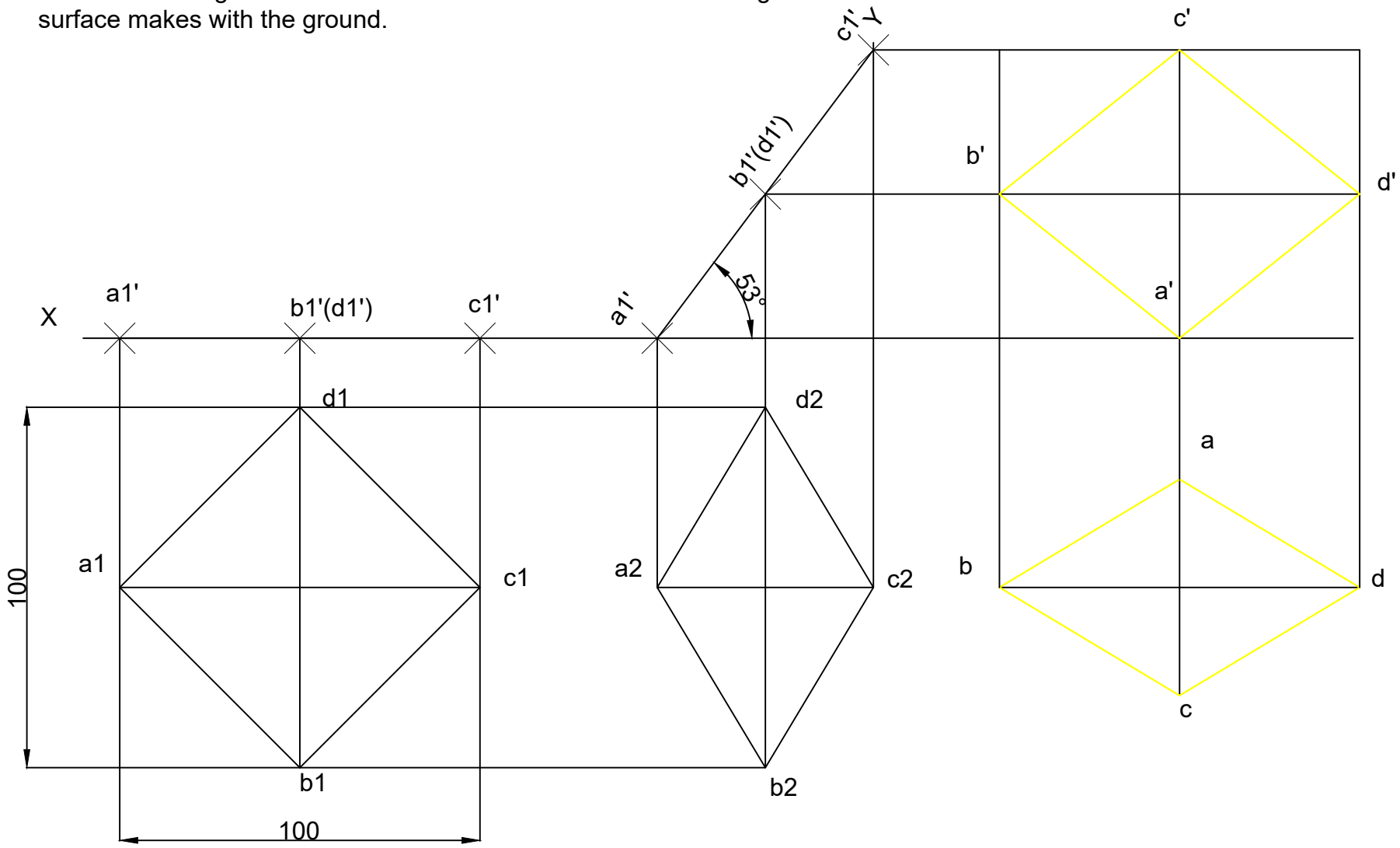
Draw the projections of a rhombus having diagonals 125mm and 50mm long, the smaller diagonal of which is parallel to both the principle planes, while the other is inclined at 30^0 to the HP.



A plate having shape of an isosceles triangle has base 50mm long and altitude 70mm. It is so placed that in the front view it is seen as an equilateral triangle of 50mm sides and one side inclined at 45^0 to XY . Draw its top view.



Draw a rhombus of diagonals 100mm and 60mm long, with the longer diagonal horizontal. The figure is the top view of a square of 100mm long diagonals, with a corner on the ground. Draw its front view and determine the angle which its surface makes with the ground.



A 60^0 set-square of 125mm longest side is so kept that longest side is in the HP making an angle 30^0 with the VP, and the set-square itself inclined at 45^0 to the HP. Draw the projections of set-square.