Pyramid: This is a polyhedron haning a plane figure as a base and a number of tri angular faces meeting at a point called the vertex or apex. The imaginary line joining the apex with center of the base is its arxis.

Development of aurfaces of addids:

Assume an object hollow and made up of thin wheet. Cut open it from one aide and unfold the wheet completely. Then the shape of that enfolded wheet is scalled Development of lateral aurfaces of that object or and a.

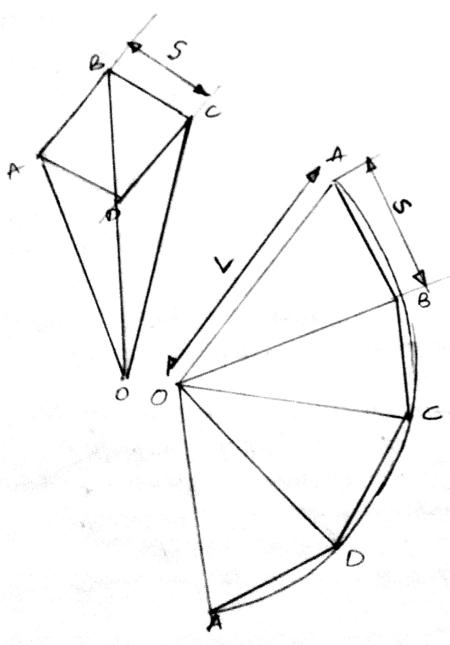
Lateral aurfaces: is the aurface excluding volids

Top and base.

## Development of Lateral Surpaces of Solids

PLACE EACH TRIANGULAR FACE ONE BESIDE THE OTHER

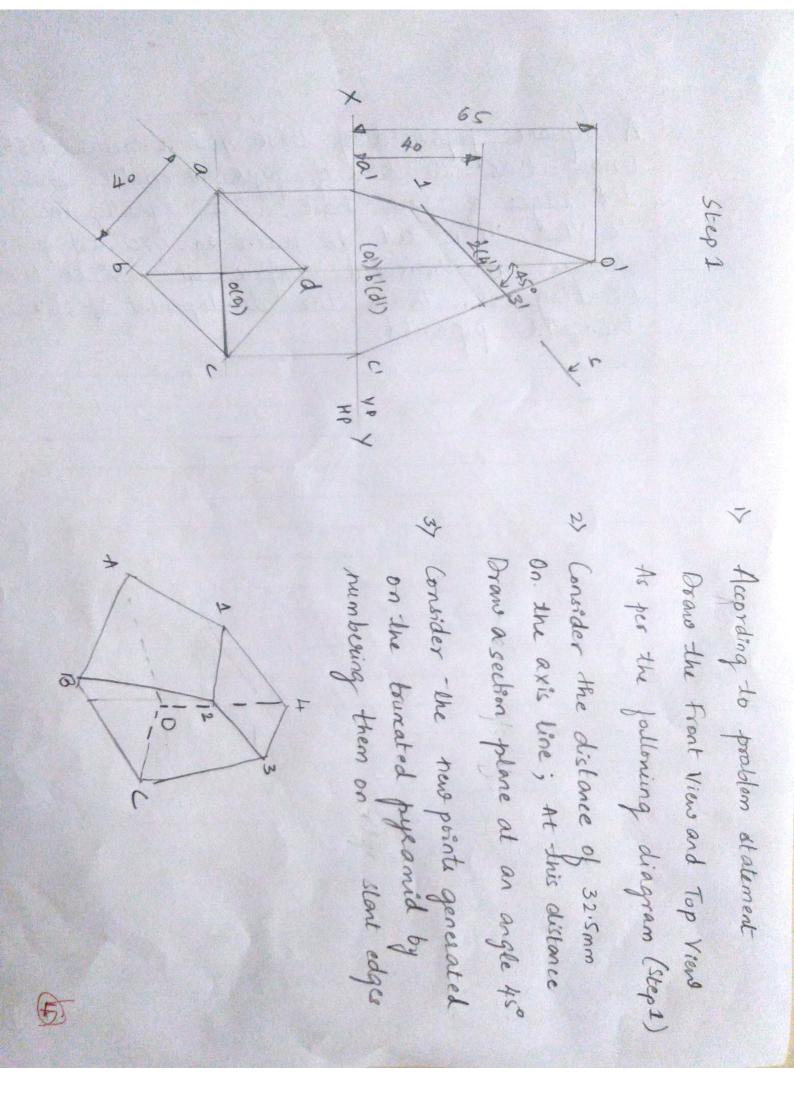
USING LENGTH OF THE SLANT EDGE AS RADIUS 1 L= Slant edge S= Edge of Base

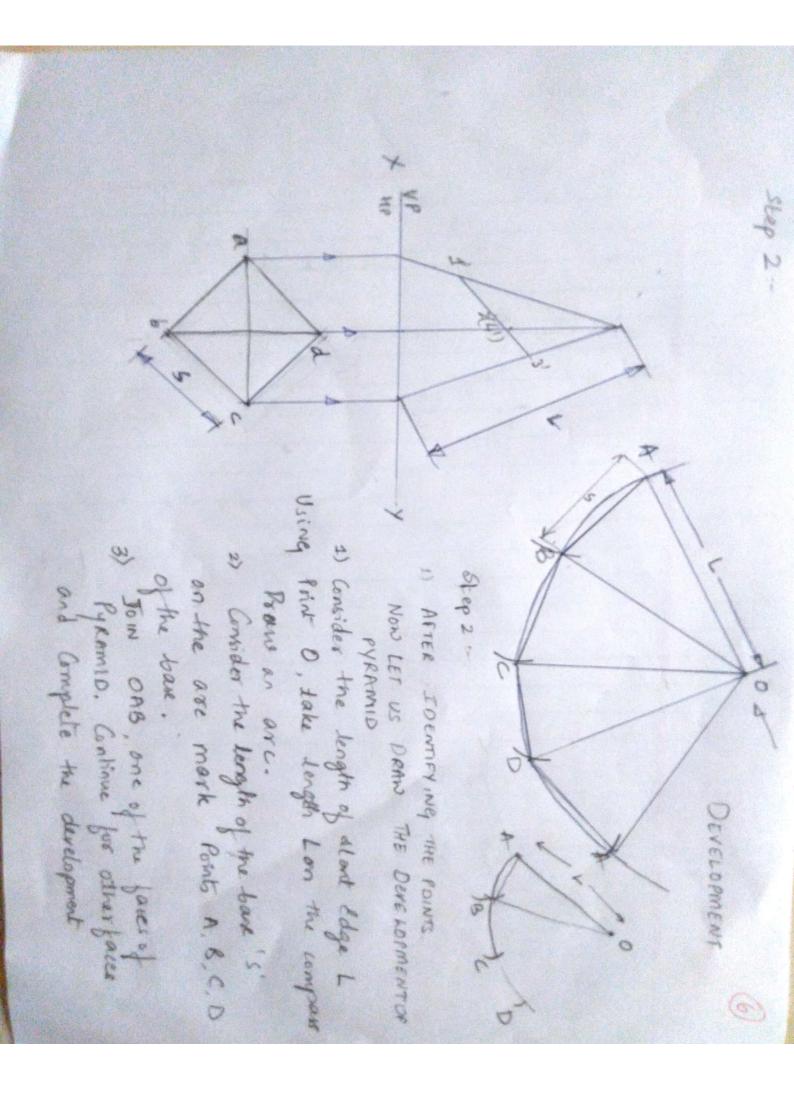


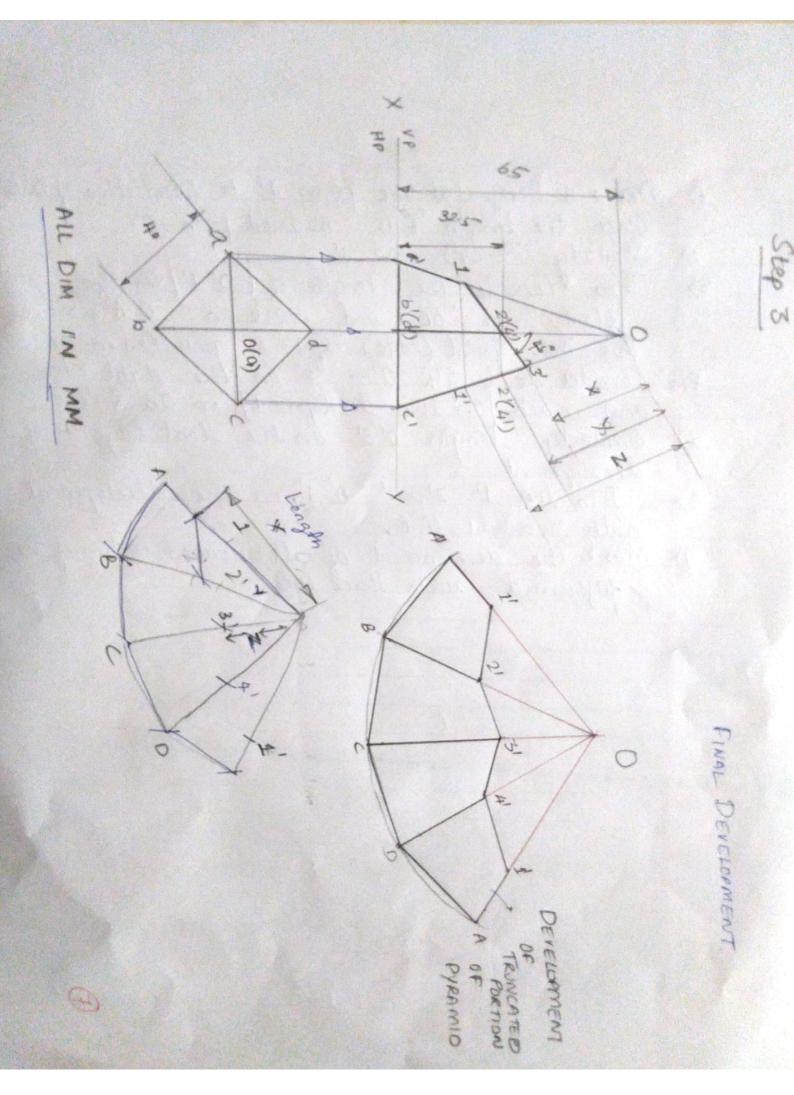
L = True length of slant edge

Section plane
Perpendicular to VP
and inclined to HP REMAINING PORTION Section " Plane Newpoints on 3 New Generated. **Hindined** slent Edge at ongle o 2(0) 0 JP HP FRUSTRUM OF A Fig: B PYRAMID. SHOWING SECTION PLANE INCLINED TO HP A SQUARE PYRAMIP WITH SECTION PLANE

A square pyramid of base 40 mm and axis 65 mm long has its base of pyramid on the and all the edges of the base are equally inclined to VP. It is but to with an inclined plane so as the truncated surface at 45° to the axis, biseting it. Draw the development of the truncated pyramid.







1) Draw a horizontal line from 1' to intersection of 0'C' Since the length 'L' is considered from O'C'. Similarly 2'24') and 3'. Then Consider the length of [0'1') On the foom the slant Edge of and mark on O A prince This new grownt (edge) of 1' is generaled on OA Consider the length 0'- 2' on the slett Edge and mark loo the development) on OB & OD Similarly length 0'3' on the slant Edge oc of the derelopment Join the 1', 2', 3', 4' i', on the development with stedight line. Mark the development of truncated postion of the peysamid with thick line