

# ENGINEERING GRAPHICS

## ASSIGNMENT

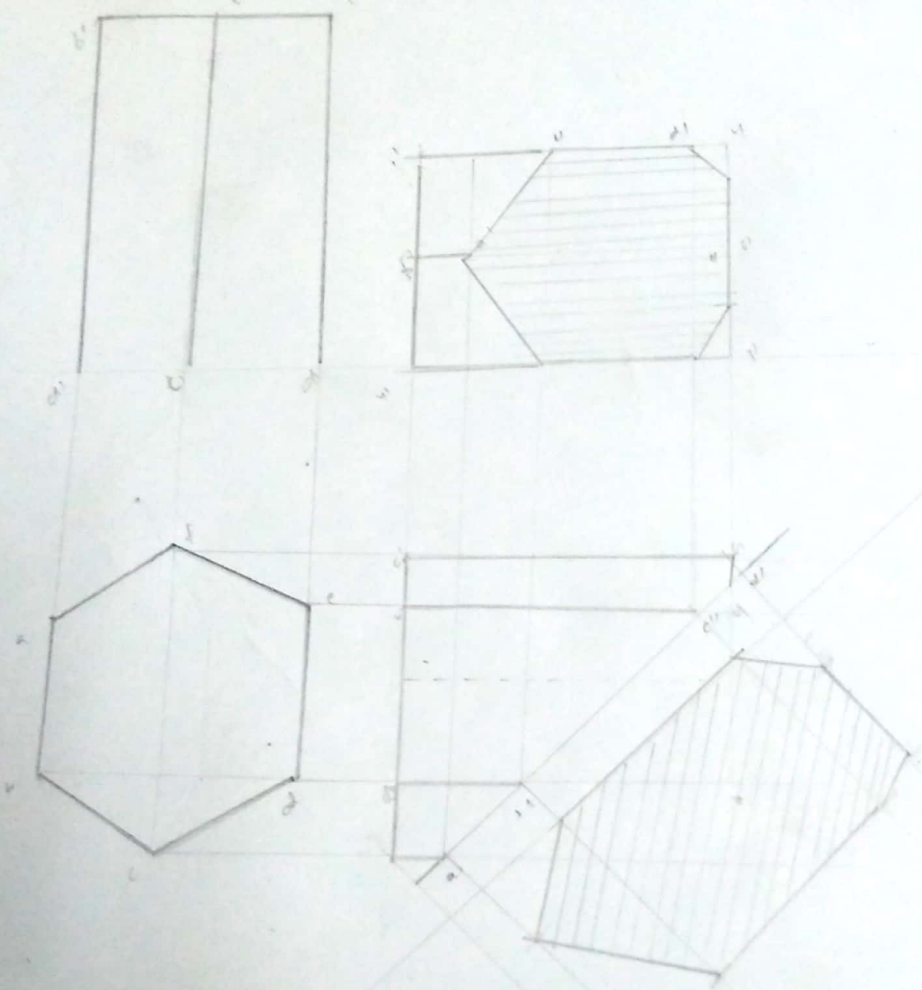
1. SECTION OF SOLIDS
2. DEVELOPMENT OF SURFACES

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Max. P.P. = 25m. (assumed)  
 Resting on the base on ground  
 100 20mm (assumed)

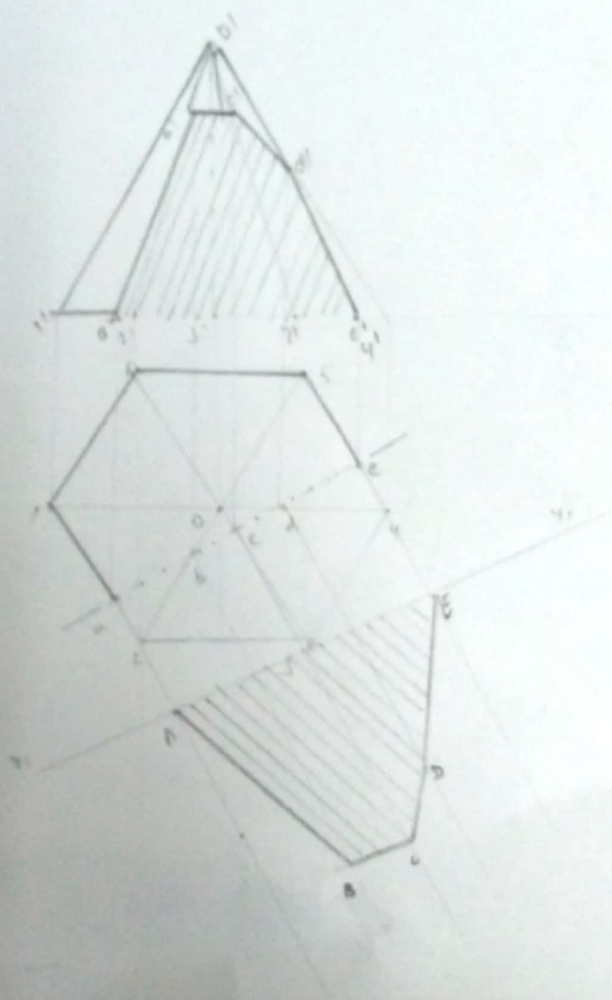
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The regular hexagon  
 shown below is divided into  
 six congruent triangles.

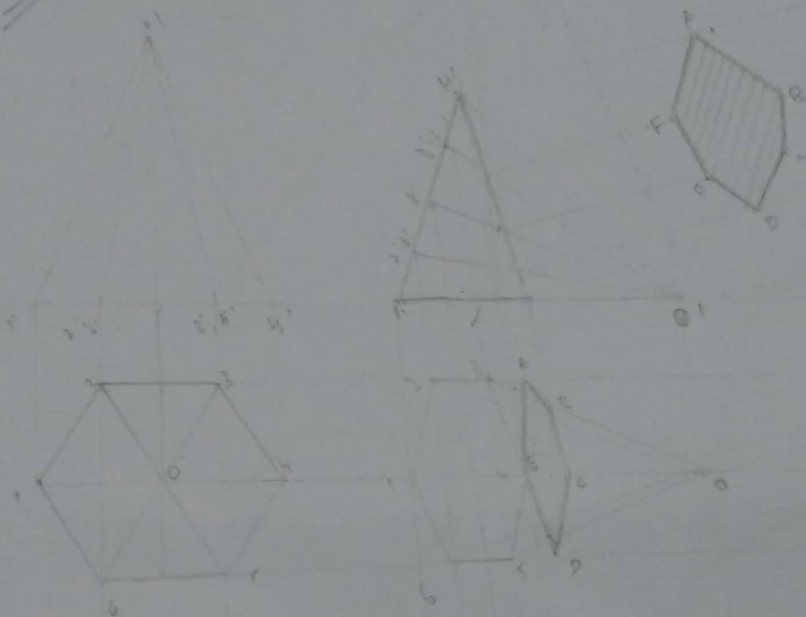
E-P-1 side of 1.00 P  
 (1.00 P) 1.00 P-1.00

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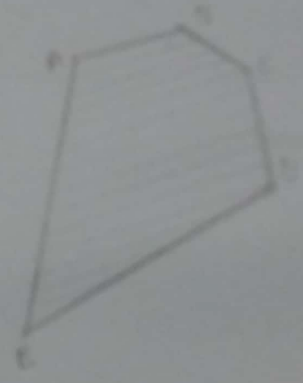
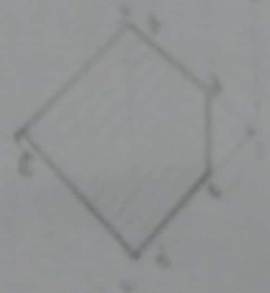
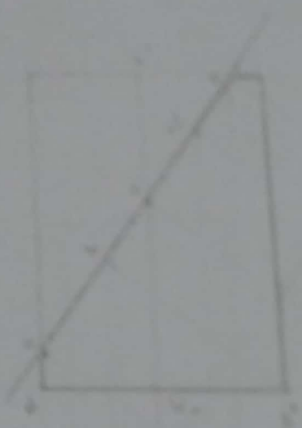
Hexagonal figure  
 to be drawn in the  
 position of the  
 drawing

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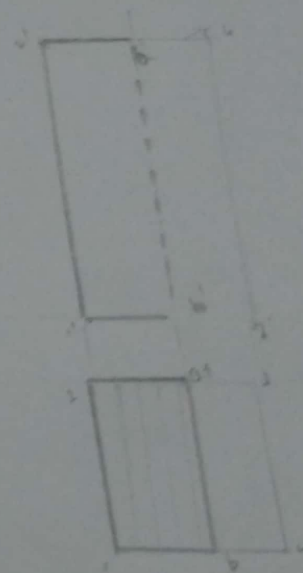
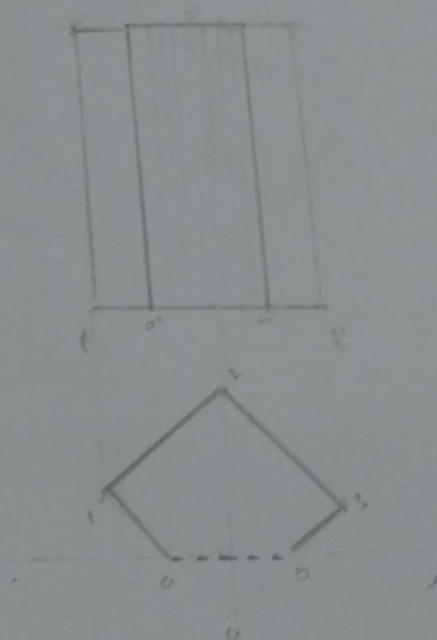
Handwritten notes in the top left corner, possibly describing the construction or the problem.

Handwritten notes in the top right corner, possibly a date or a reference.



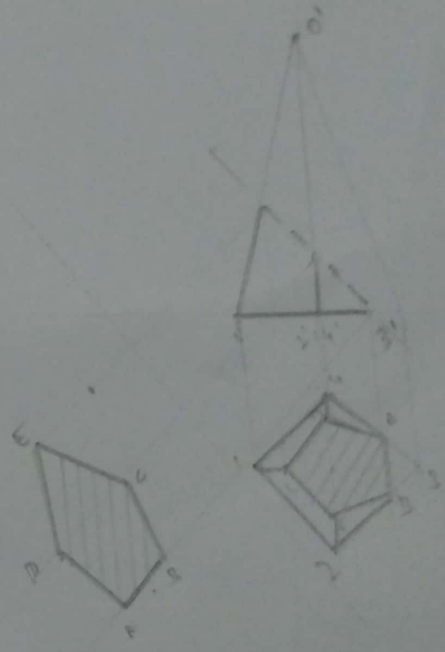
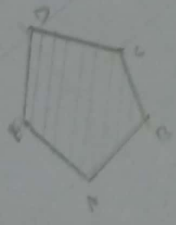
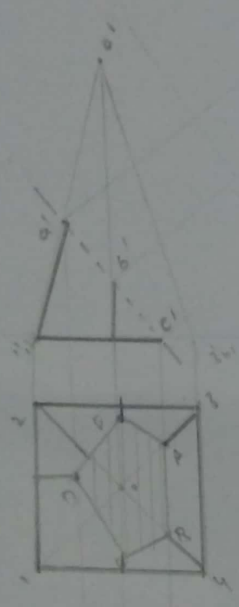
Page 3  
Date: / /

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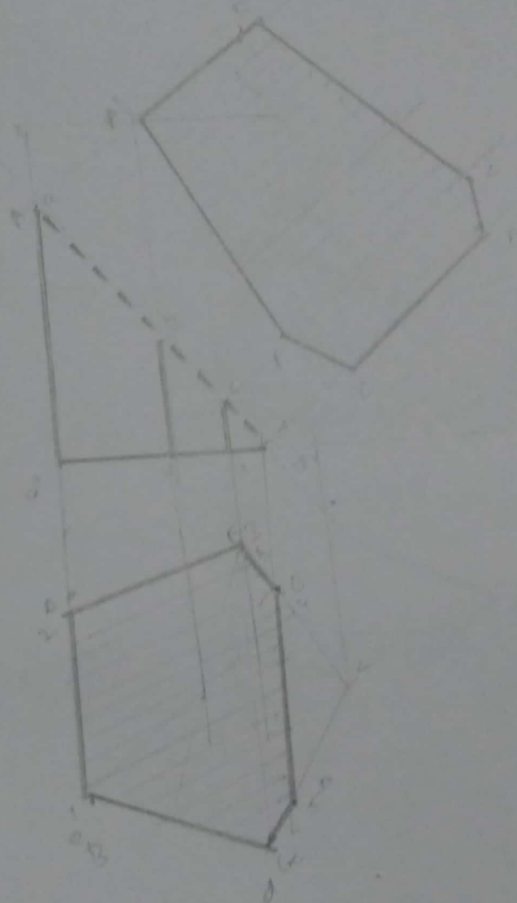
Handwritten notes in the top left corner, possibly indicating a date or page number.

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Handwritten notes in a box, likely a title or description of the drawing.

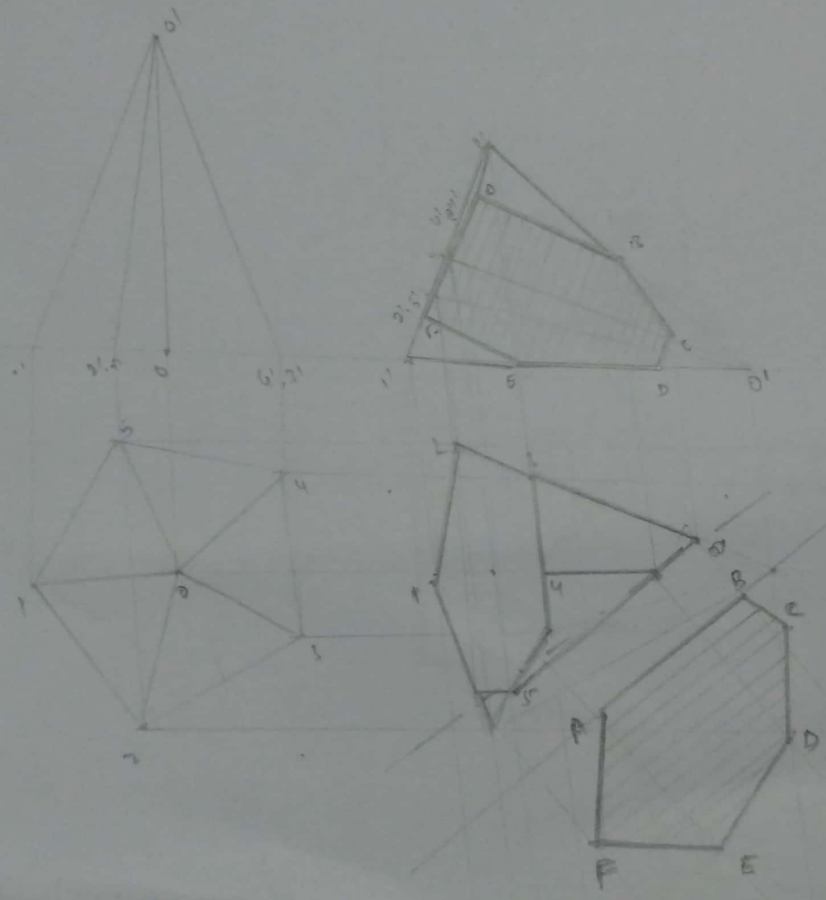
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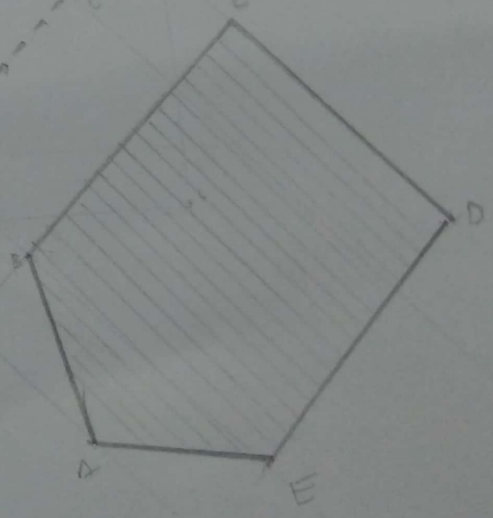
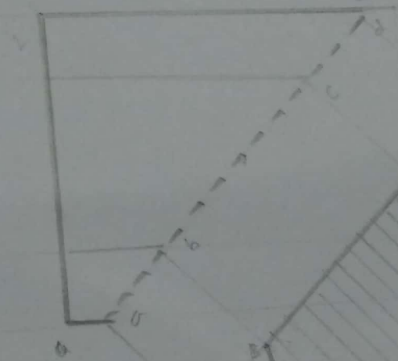
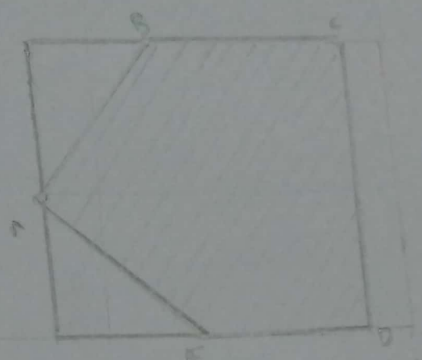
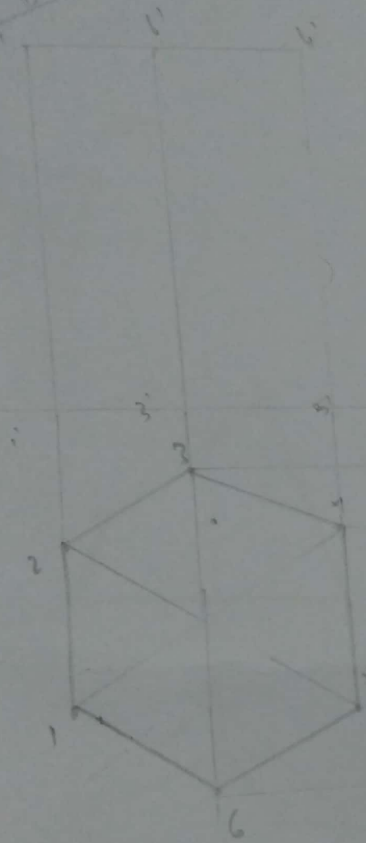
Problem 1  
 Given: A regular hexagon  
 C.P: 30mm above H.P.  
 A.P: 45mm from V.P.  
 Draw the projections.

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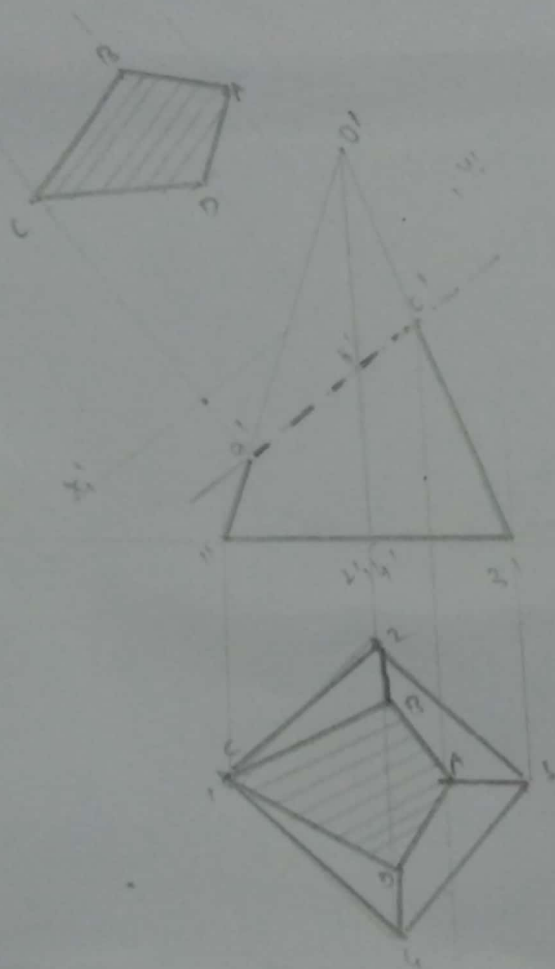
Hemant N  
 L. 10/12/2019  
 C.P. 10/12/2019  
 Area 10.15

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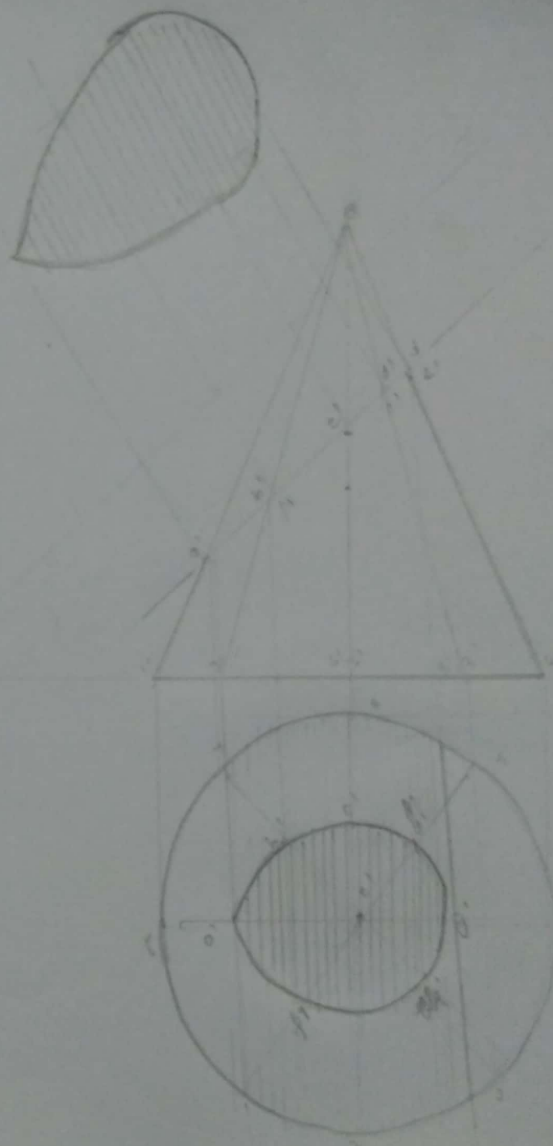
Square Pyramid  
 An object is placed at  
 45° to the VP (6.P.1)

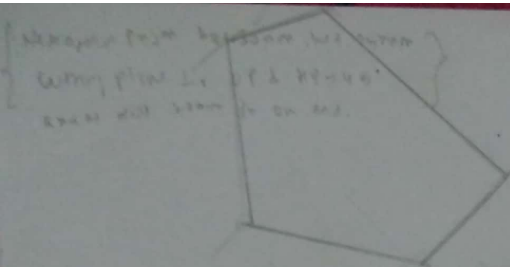
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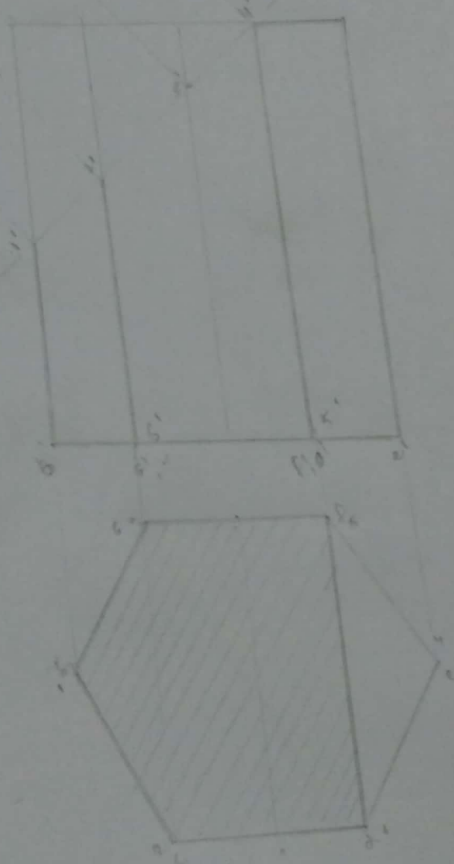
Ques. Draw a circle of radius 4 cm  
and draw a chord of length 6 cm.

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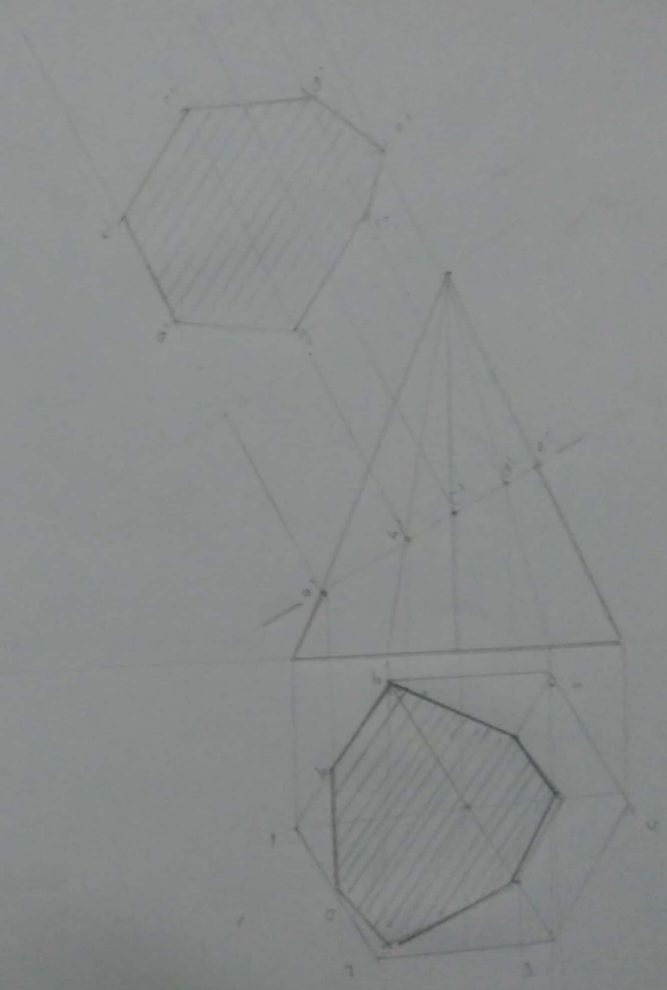
Hemant, W  
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Hemanth  
2019503519

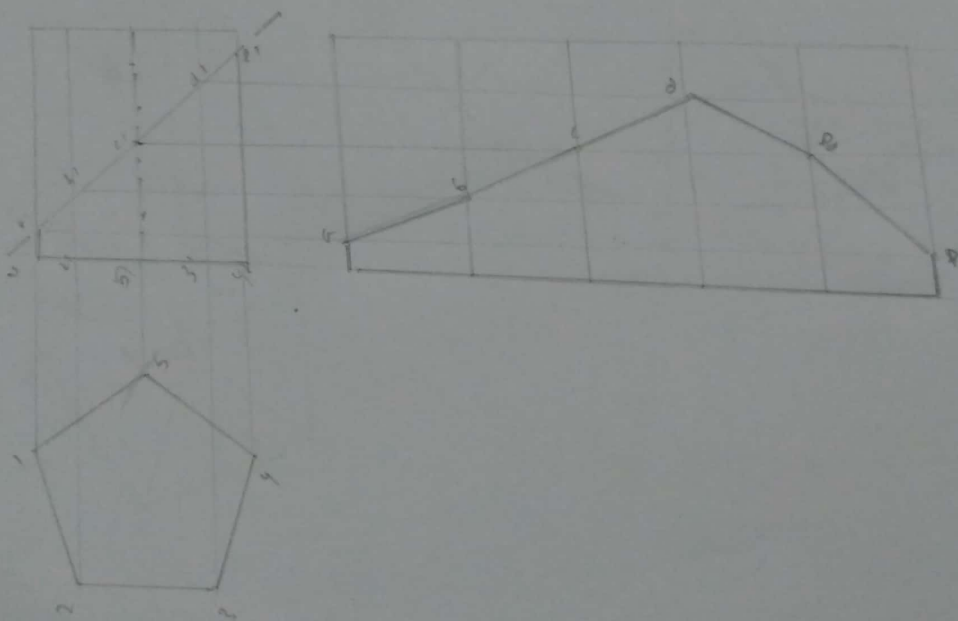
Ques. A regular hexagon of side 10 cm is  
 inclined to the horizontal plane (HP) at an angle of 30°.  
 Find the true shape and size of the hexagon.

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 2019502579



regular pentagon, side = 40 mm  
 resting base on HP & incl  $45^\circ$   
 & away from VP.  
 Draw 45° line & bisect it.

Hemant, 11/11/2019  
 2019503819

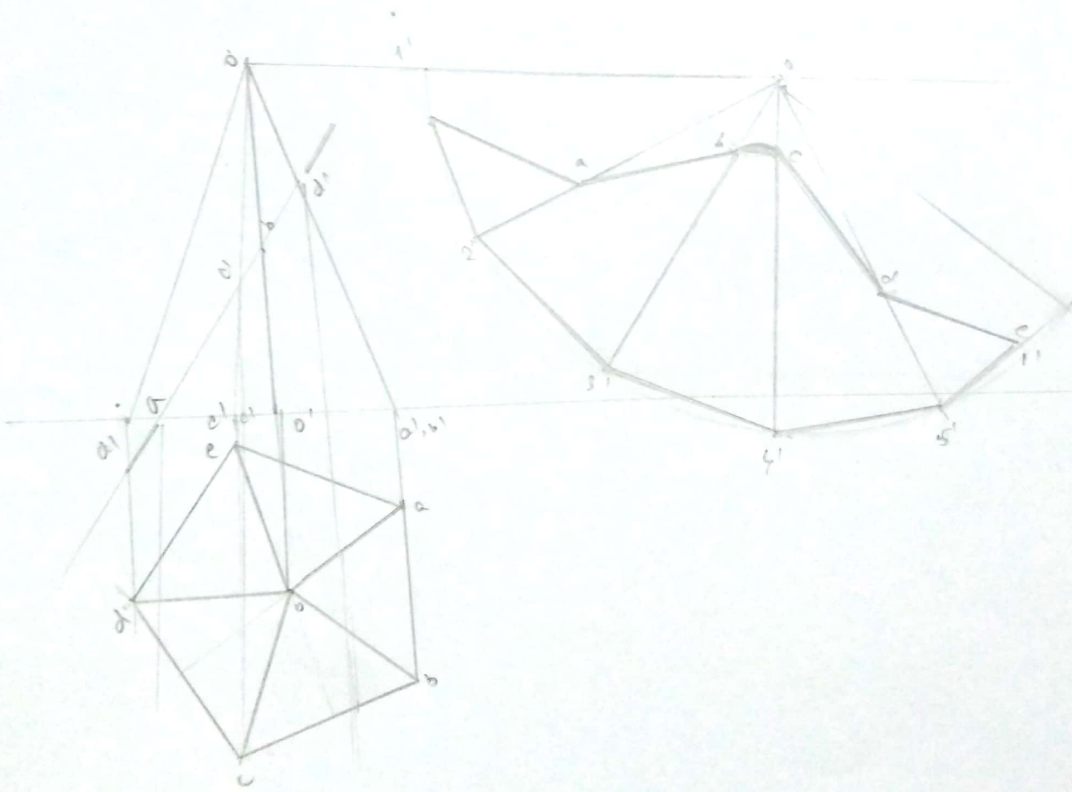




Perpendicular Pyramid (Square) & Cone  
 cutting on base - 45° & one edge of  
 base is 2x to VP.

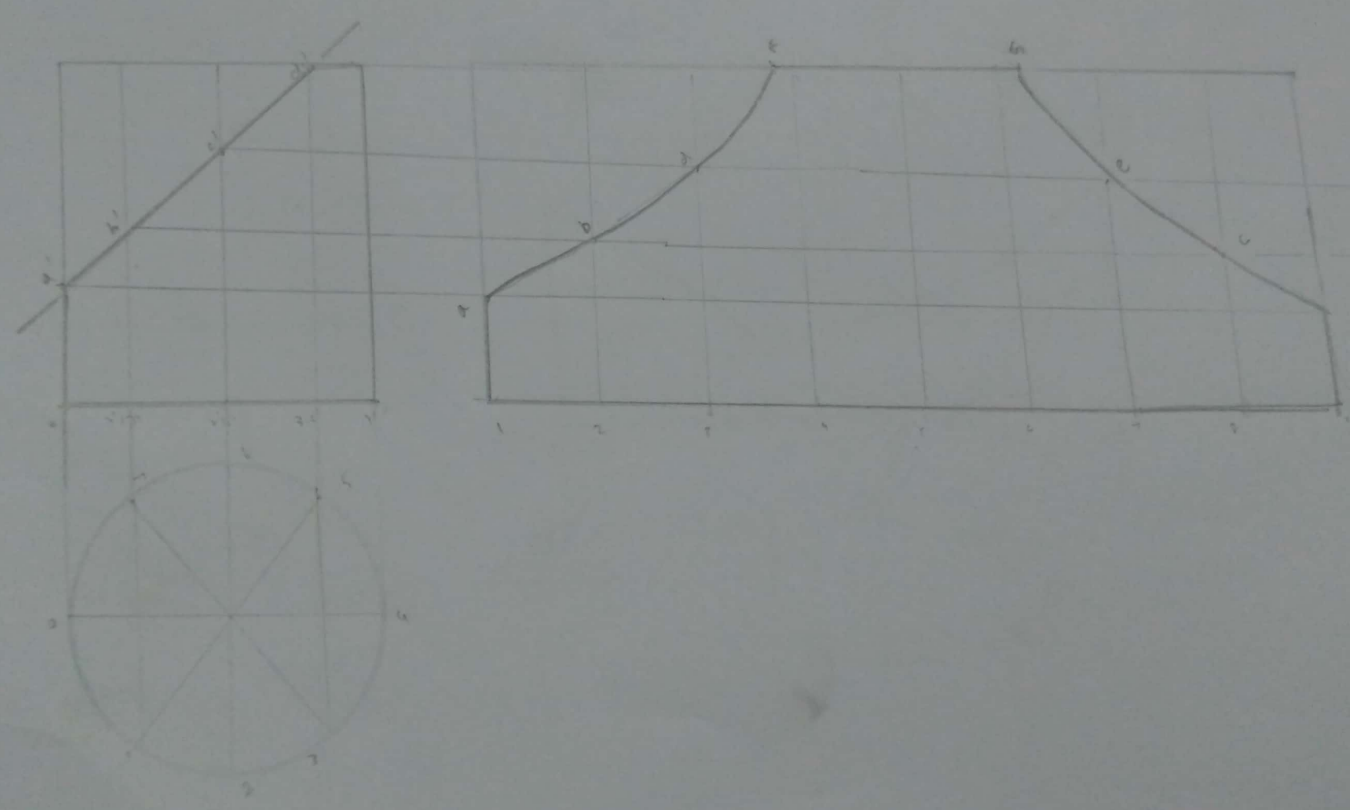
Cone 2x to VP & 45° to VP. 60° to VP.

Hemantini  
 2019SD3519



Cylinder (30mm) (60mm)  
 Resting on base on HP  
 C.P. is 10mm from top

Hemantkumar  
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{  
 polygon of the  
 given, is a regular  
 pentagon, is a regular  
 pentagon.

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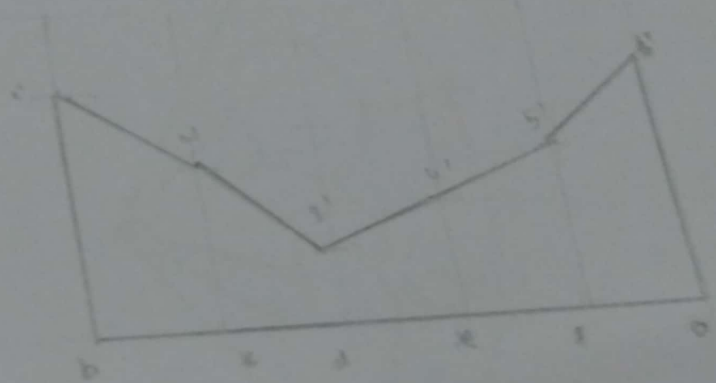
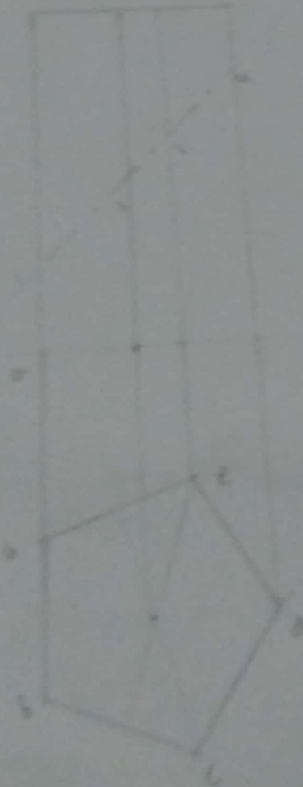
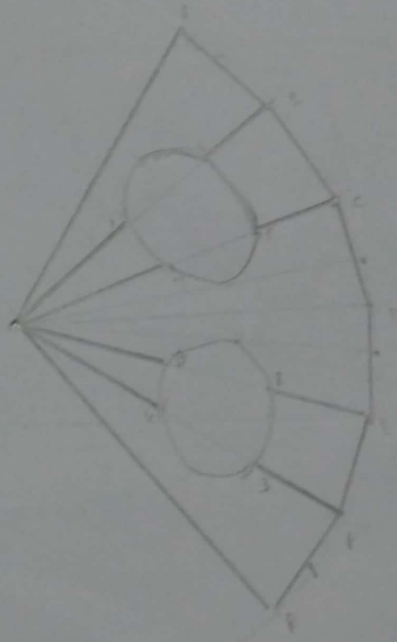
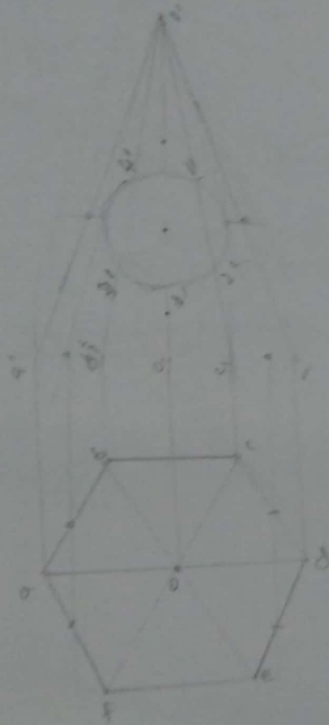


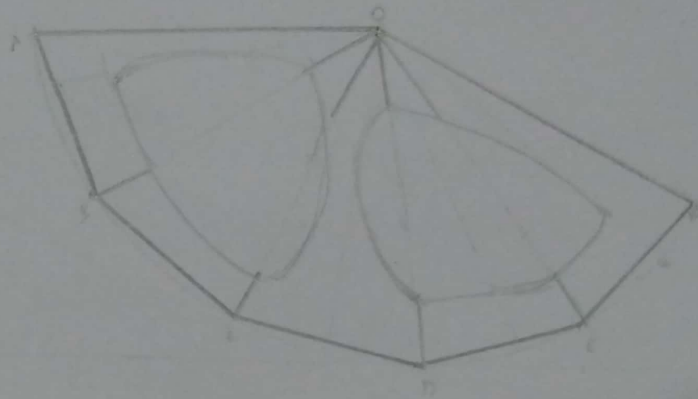
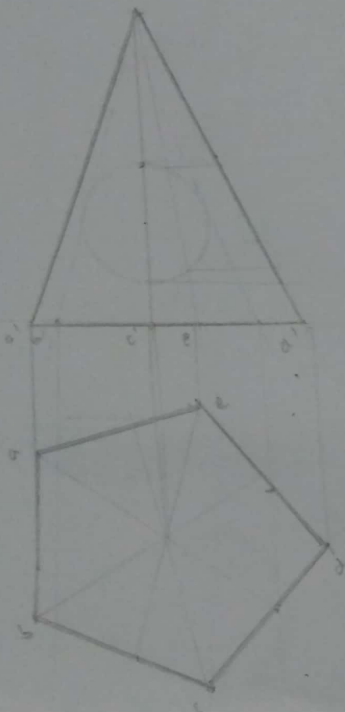
Diagram of a  
 cone with height 12  
 radius 5  
 length 13

Kemashin  
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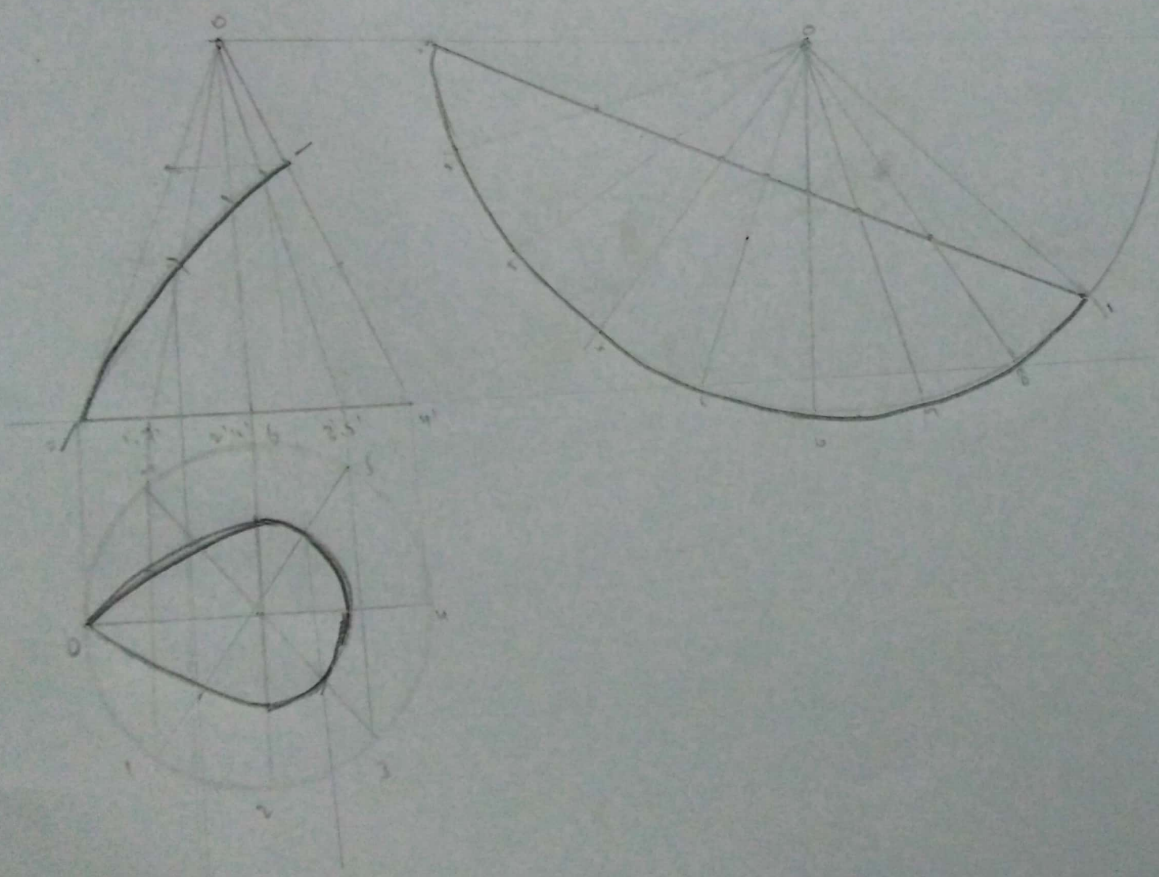
Pentagonal  
 Pyramid - Cylinder  
 Hole - Base 20mm, height  
 60mm. Circular hole  $\rightarrow$  20mm diam  
 at  $\phi$  10mm radius

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Unit: Box 50 and 60  
Rolling on box with MP  
C.P.

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cone whose true shape  
 is lying on base with AP  
 (P is 3/4 way to the top)  
 & bisecting the axis

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