

Q211**PROJECTION OF SOLIDS**

51

TRIANGULAR PRISM RESTING ON BASE EDGE & BASE EDGE INCLINED TO VP

A triangular prism of base edge 30mm and length 50mm has a base edge on HP, axis inclined 35° to HP. The base edge on which it rests is inclined 45° to VP. Draw the projections of the solid.

SUMESH 8848440142

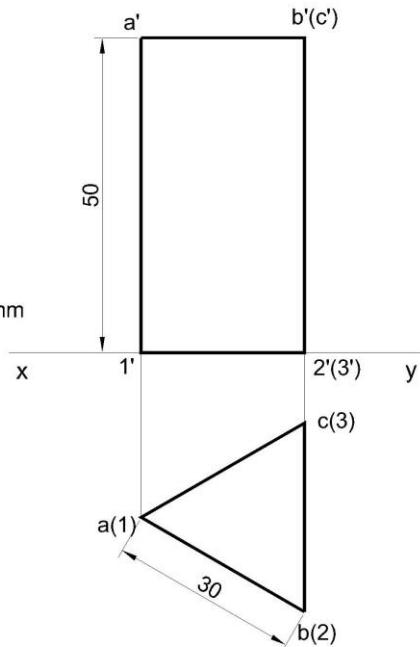
BASE EDGE - 30mm ; HEIGHT- 50mm; AXIS 35° TO HP; RESTING BASE EDGE 45° TO VP

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211-1

B = 30
H = 50

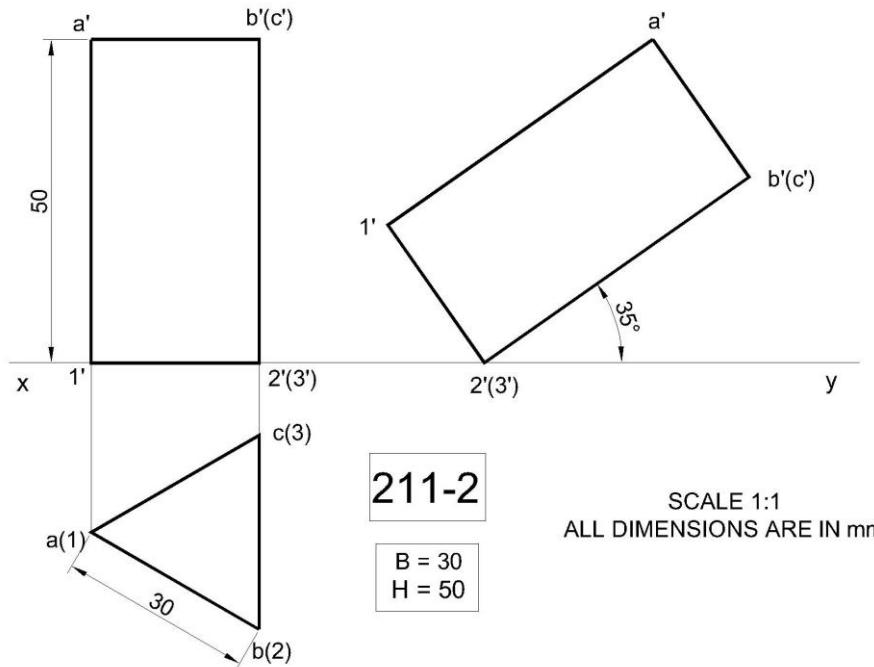
SCALE 1:1
ALL DIMENSIONS ARE IN mm



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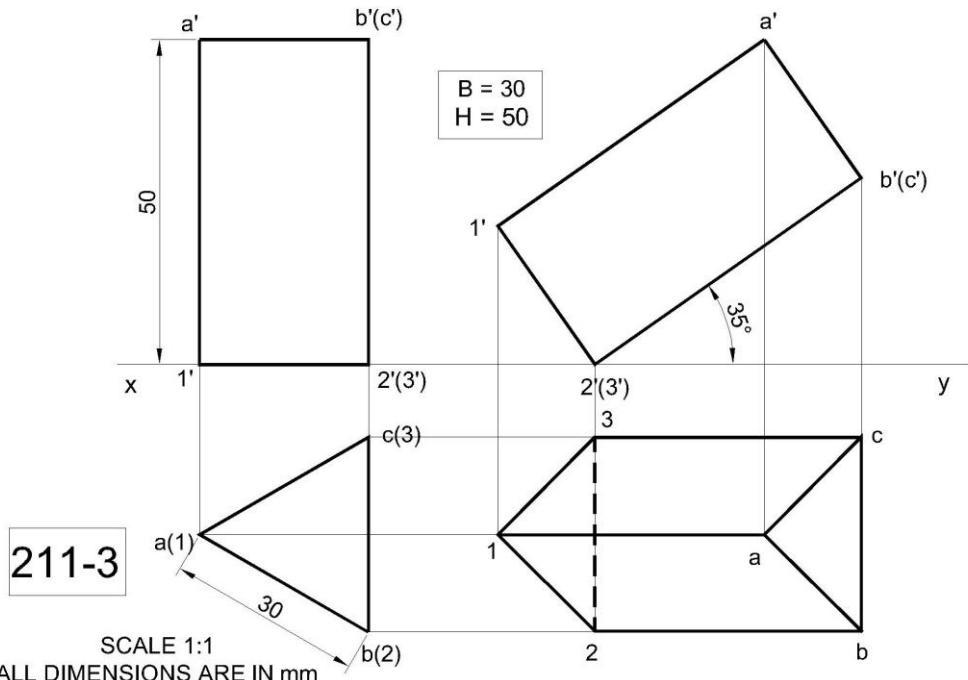


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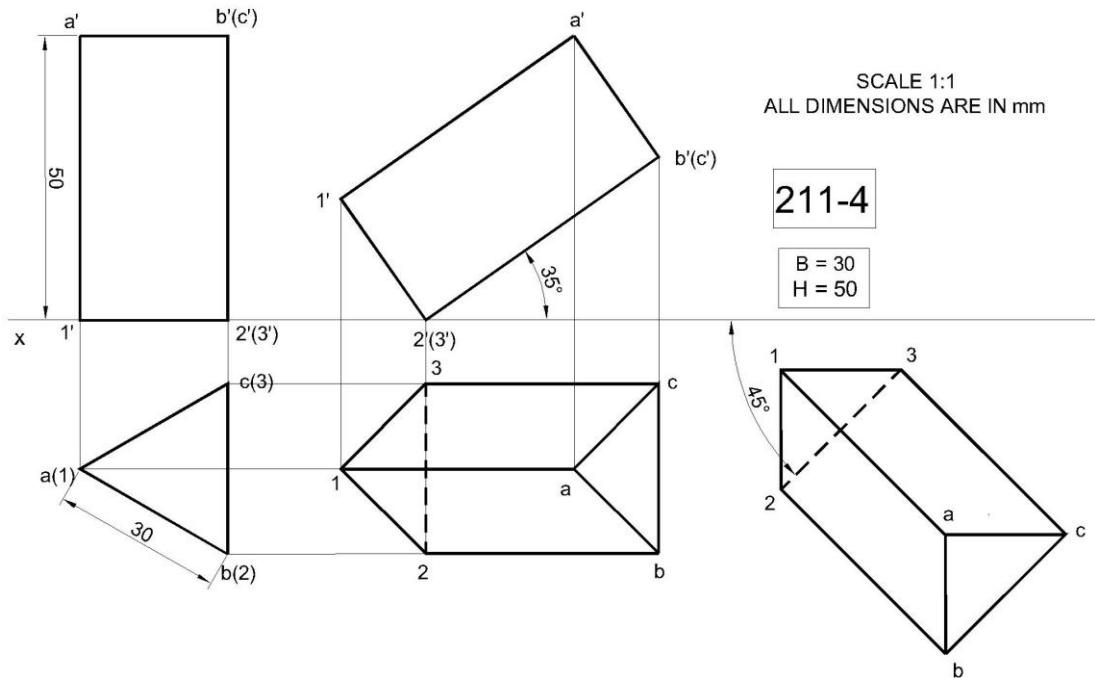
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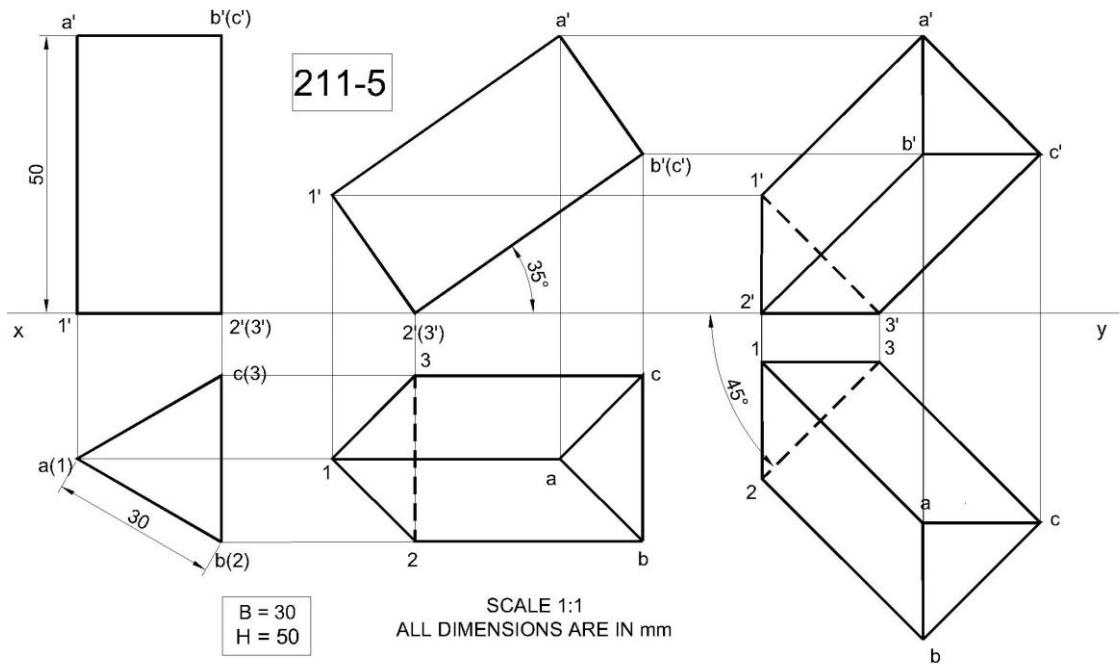


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Q51**PROJECTION OF SOLIDS**

52

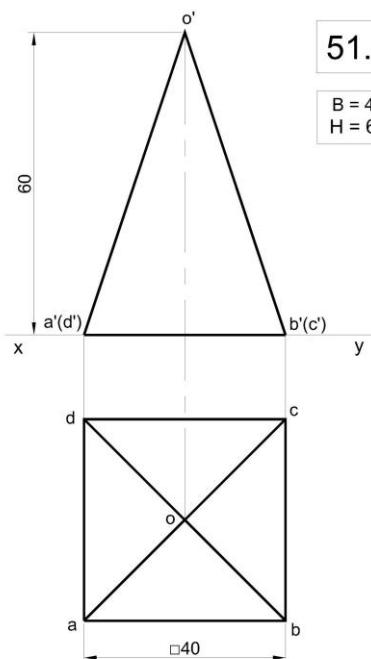
SQUARE PYRAMID-ON BASE EDGE- APEX AWAY FROM VP ON RIGHT SIDE

A square pyramid of edge of base 40mm and height 60mm has its axis inclined 40° to HP. Draw the projections if one of its base edges is on HP and is inclined 45° to VP. Assume that the apex of the pyramid is away from VP and is on the right side.

SUMESH 8848440142

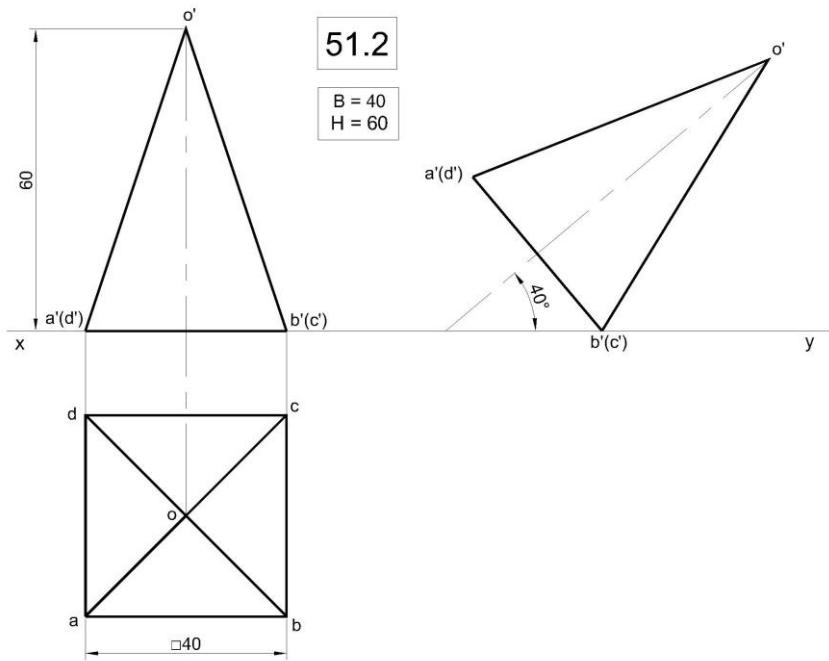
BASE - 40mm ; HEIGHT- 60mm; AXIS 40° TO HP; BASE EDGE 45° TO VP APEX AWAY FROM VP TO RIGHT

SUMESH 8848440142



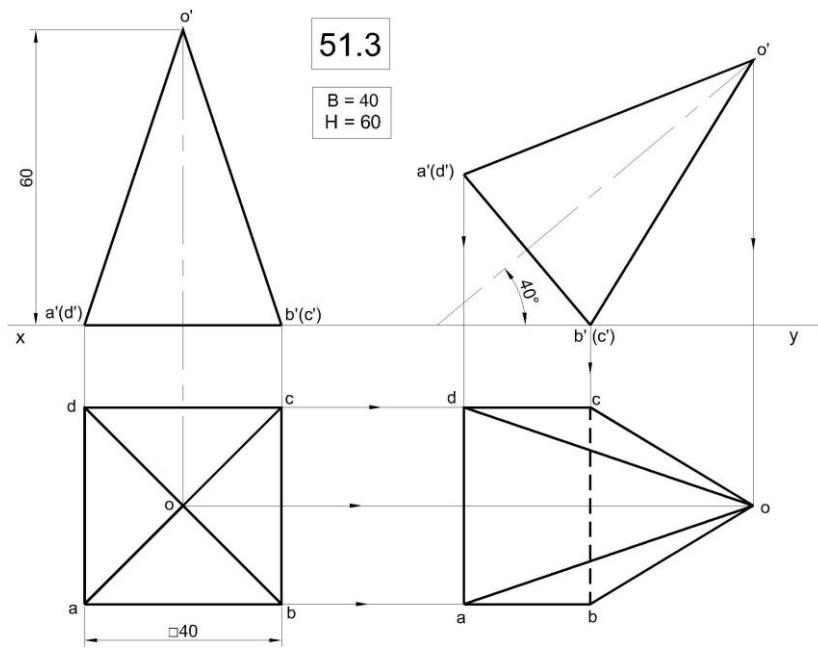
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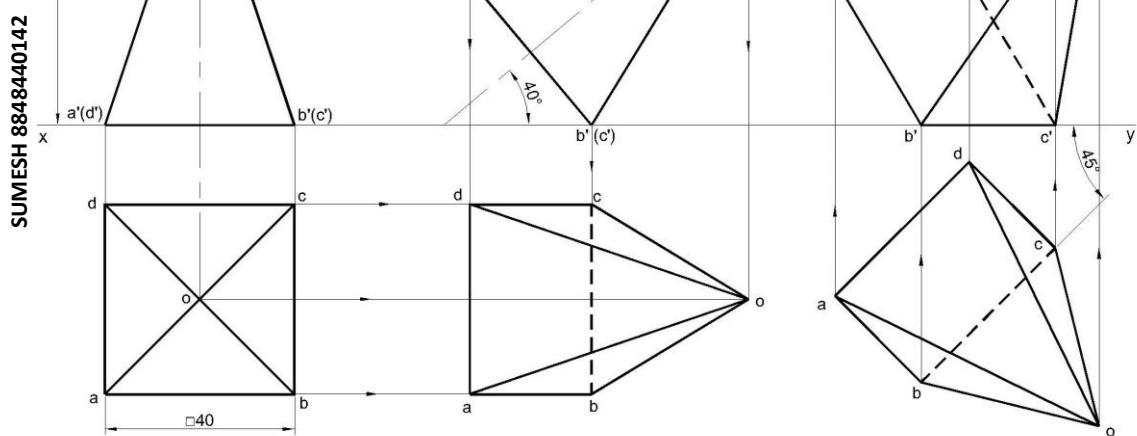
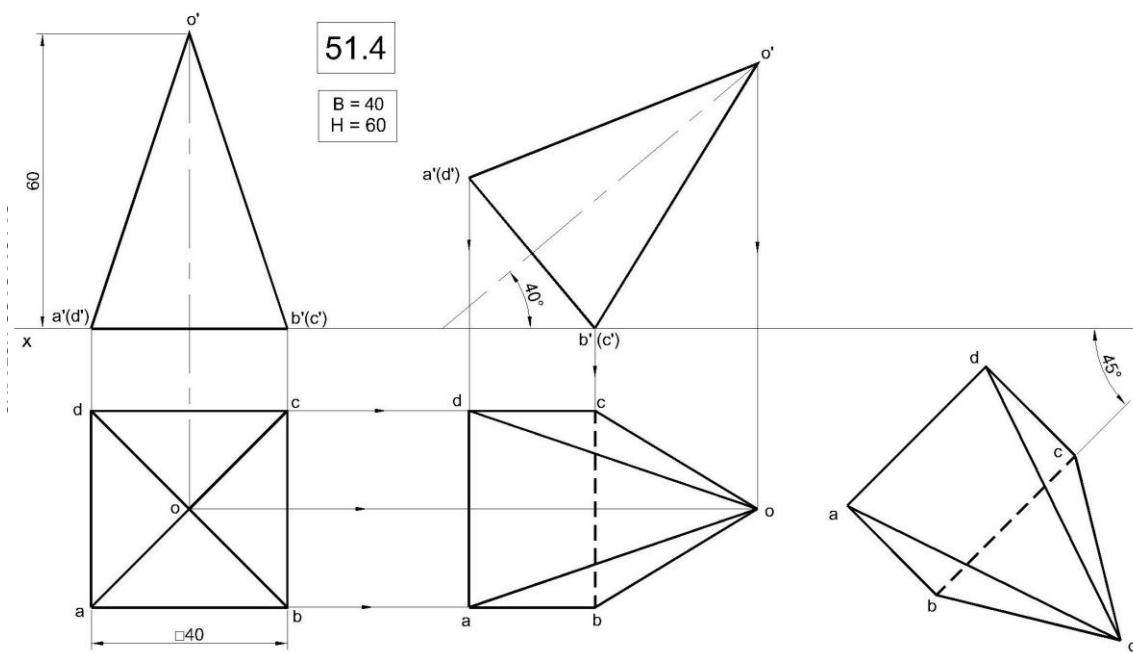


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Q52**PROJECTION OF SOLIDS**

53

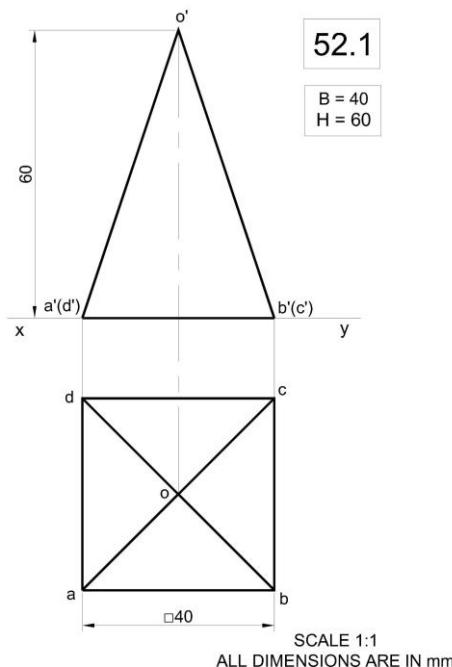
SQUARE PYRAMID-ON BASE EDGE- APEX TOWARDS VP ON RIGHT SIDE

A square pyramid of edge of base 40mm and height 60mm has its axis inclined 40° to HP. Draw the projections if one of its base edges is on HP and is inclined 45° to VP. Assume that the apex of the pyramid is towards VP and is on the right side.

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BASE - 40mm ; HEIGHT- 60mm; AXIS 40° TO HP; BASE EDGE 45° TO VP APEX TOWARDS VP TO RIGHT

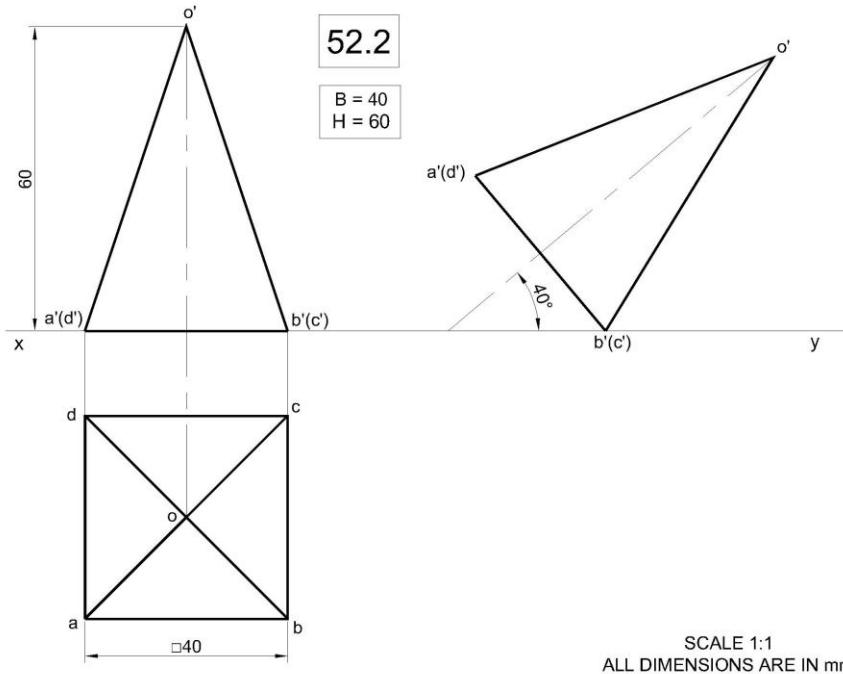
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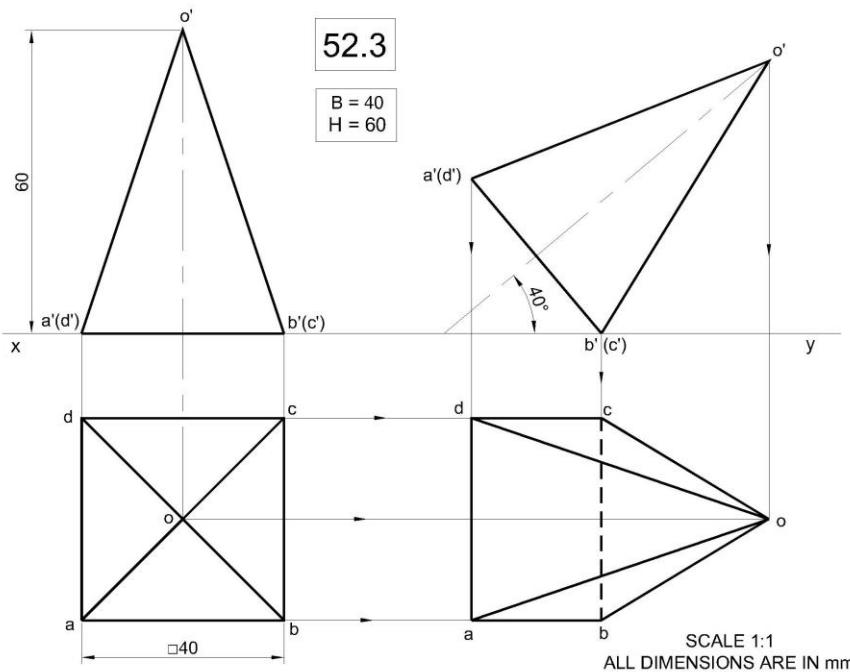


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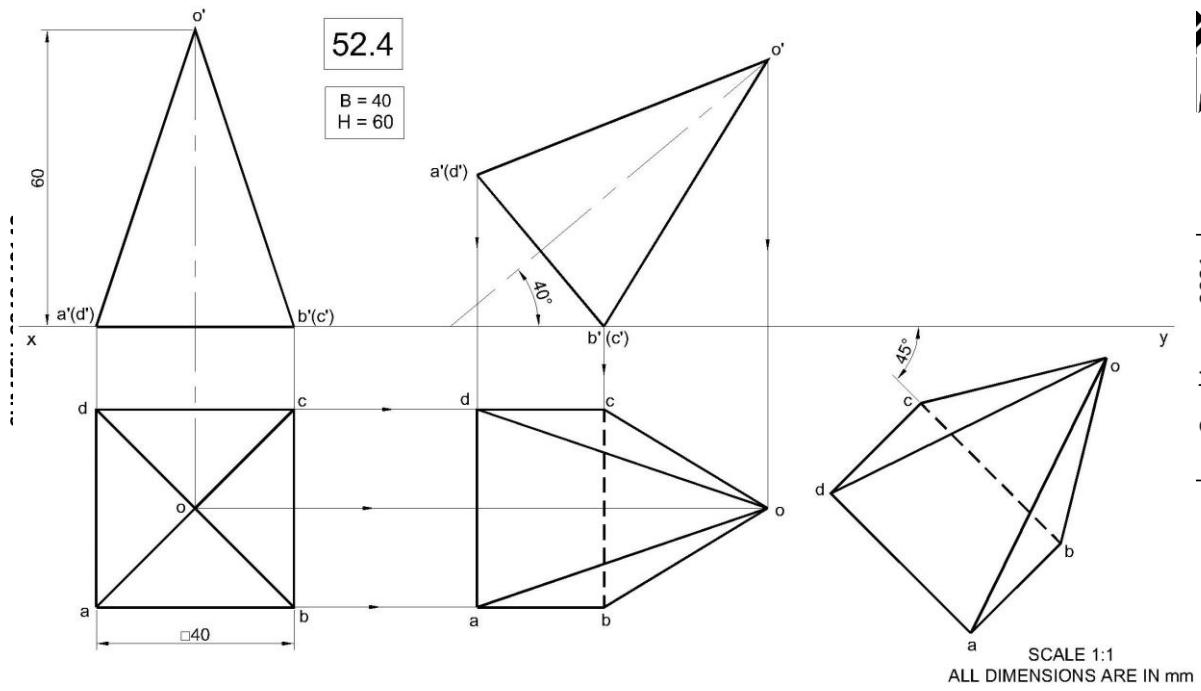


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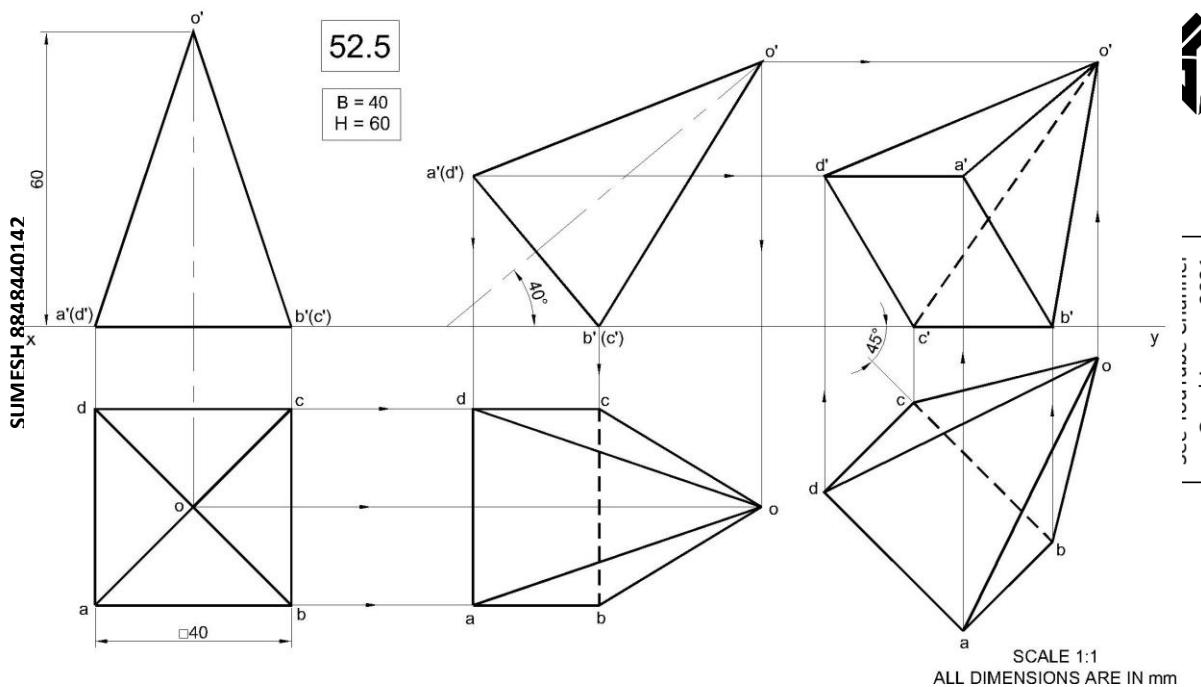
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Q53

PROJECTION OF SOLIDS



54

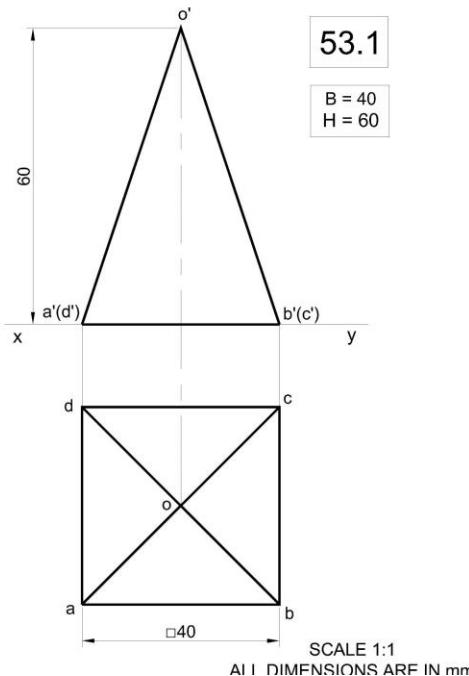
SQUARE PYRAMID -ON BASE EDGE- APEX AWAY FROM VP -ON LEFT SIDE

A square pyramid of edge of base 40mm and height 60mm has its axis inclined 40° to HP. Draw the projections if one of its base edges is on HP and is inclined 45° to VP. Assume that the apex of the pyramid away from VP and is on the left side.

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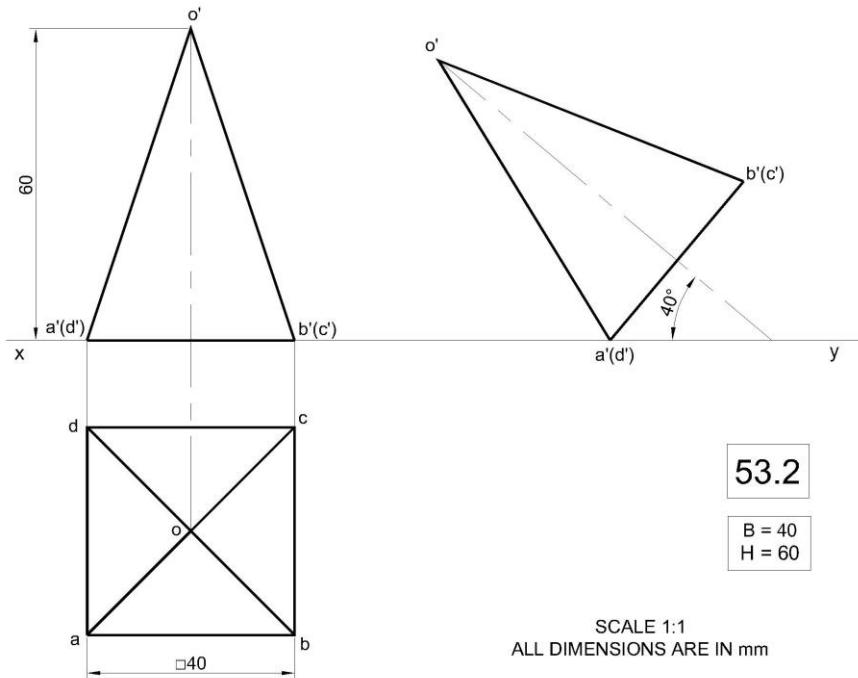
BASE - 40mm ; HEIGHT- 60mm; AXIS 40° TO HP; BASE EDGE 45° TO VP APEX AWAY FROM VP TO LEFT

SUMESH 8848440142



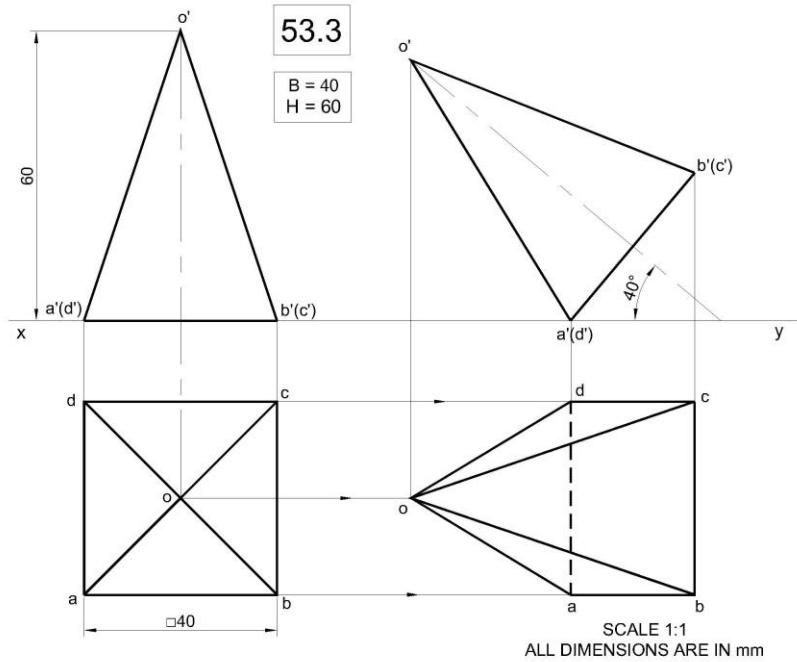
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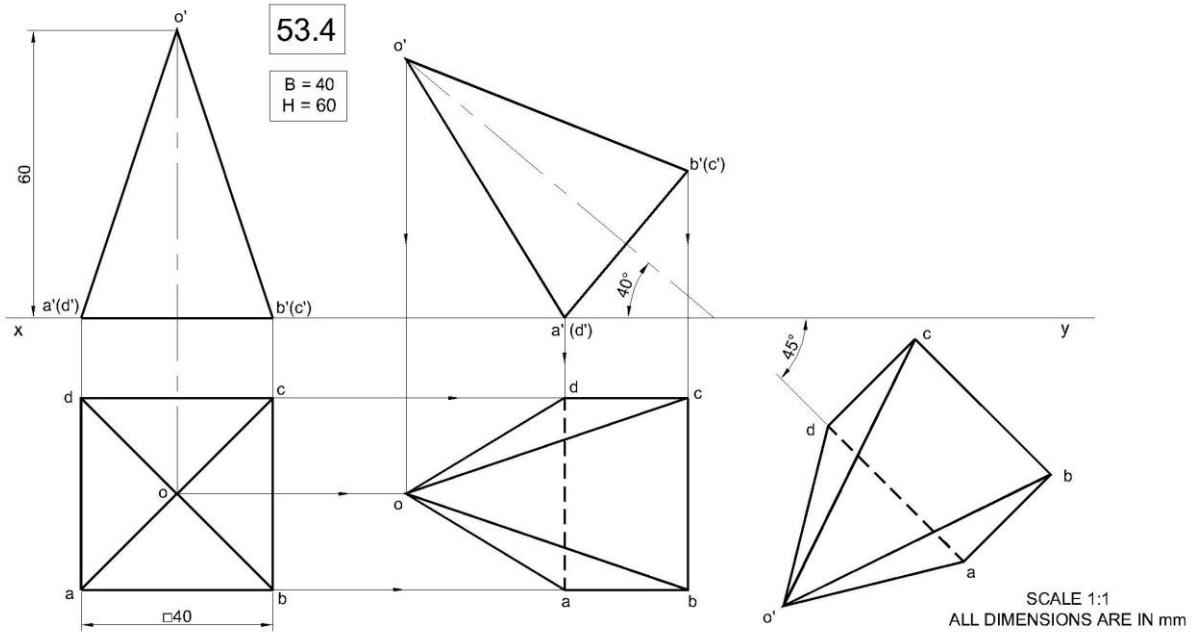


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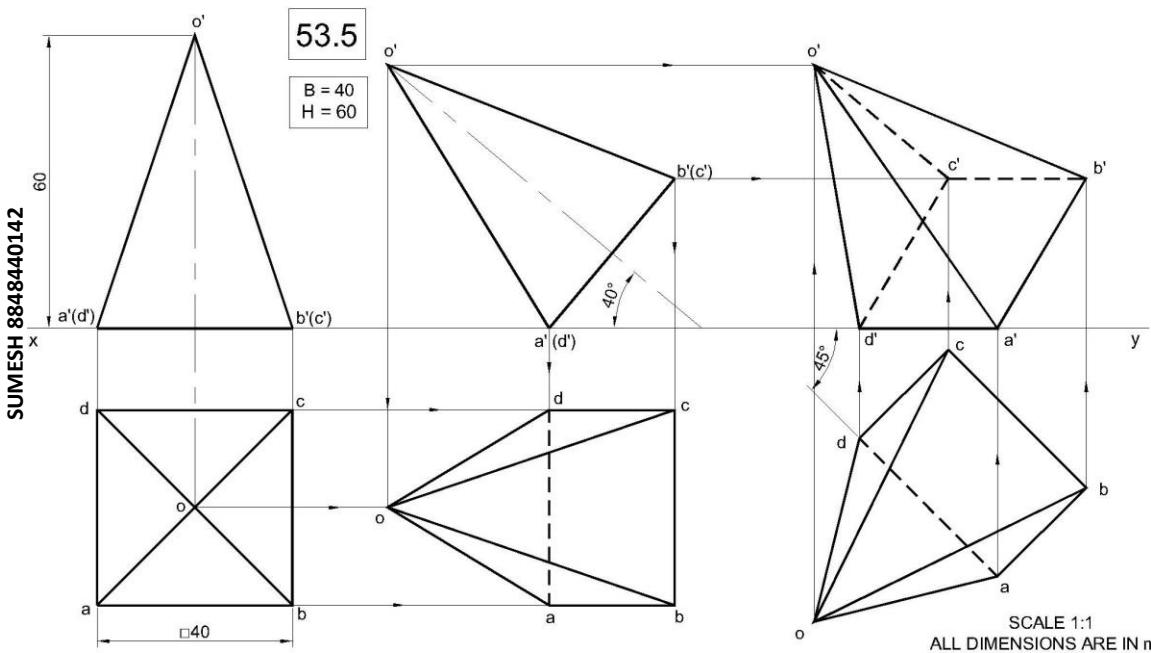
SUMESH 8848440142



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Q54**PROJECTION OF SOLIDS**

55

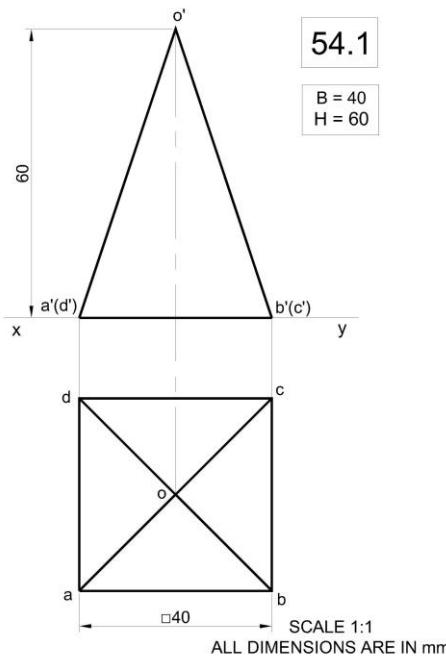
SQUARE PYRAMID -ON BASE EDGE- APEX TOWARDS VP -ON LEFT SIDE

A square pyramid of edge of base 40mm and height 60mm has its axis inclined 40° to HP. Draw the projections if one of its base edges is on HP and is inclined 45° to VP. Assume that the **apex of the pyramid towards VP and is on the left side.**

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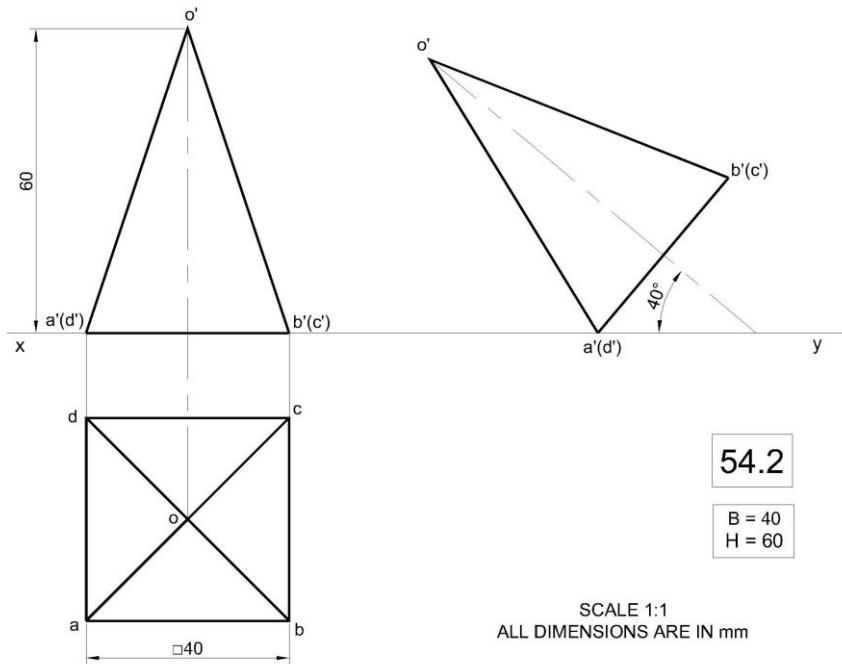
BASE - 40mm ; HEIGHT- 60mm; AXIS 40° TO HP; BASE EDGE 45° TO VP APEX TOWARDS VP TO LEFT

SUMESH 8848440142



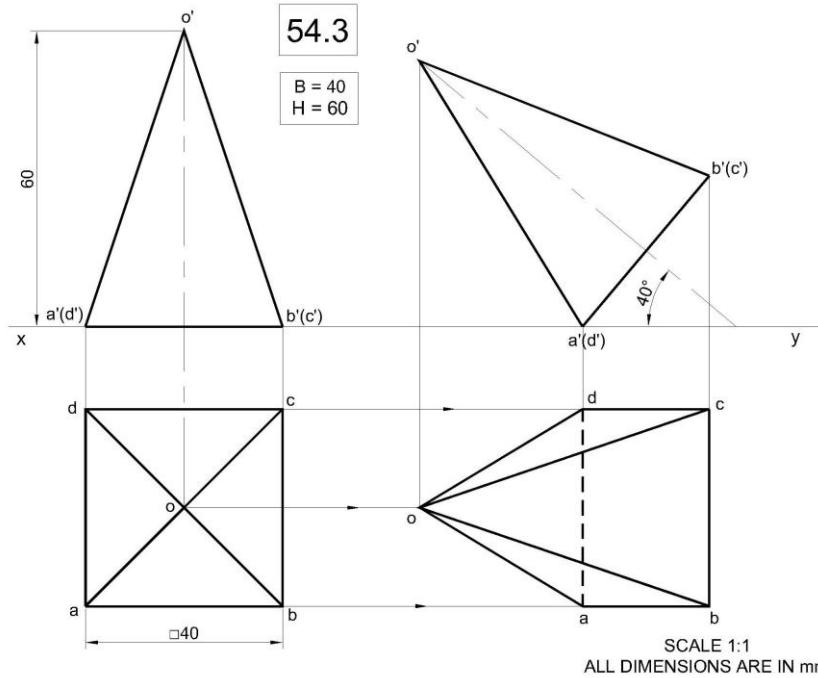
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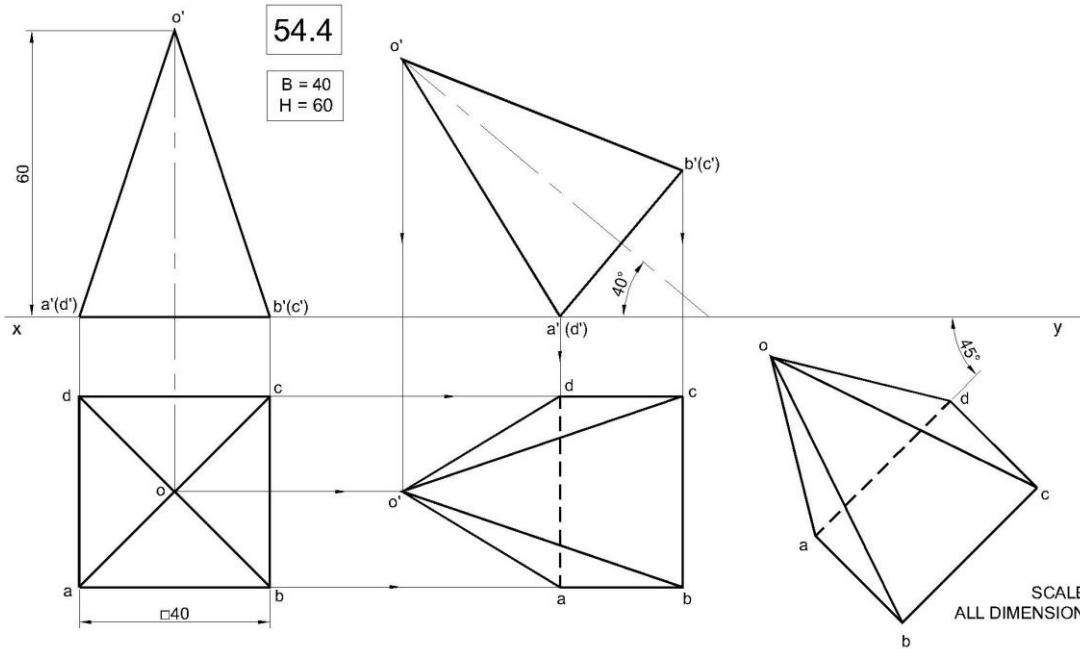
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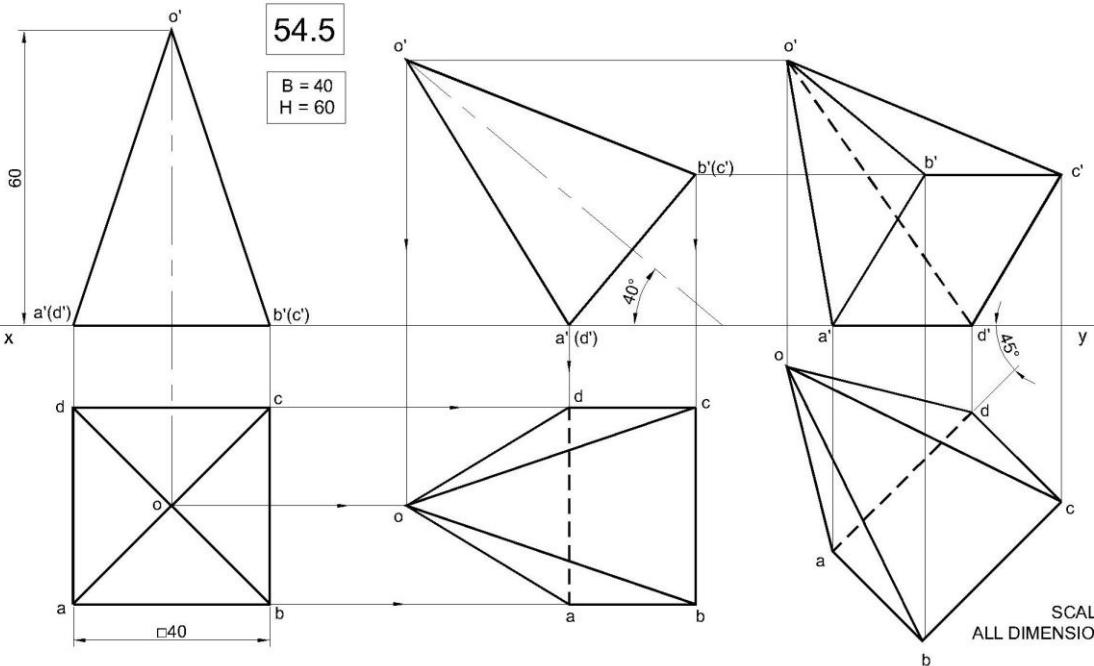


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Q55**PROJECTION OF SOLIDS**

56

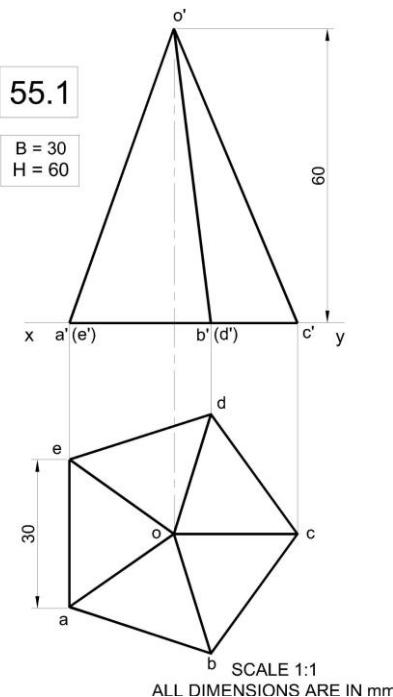
PENTAGONAL PYRAMID-ON BASE CORNER- TOP VIEW TILTING

A pentagonal pyramid of base edge 30mm and height 60mm is resting on a corner of its base. The slant edge containing the corner is inclined 50° to HP and top view of slant edge (vertical plane containing the slant edge) is inclined 30° to XY line.

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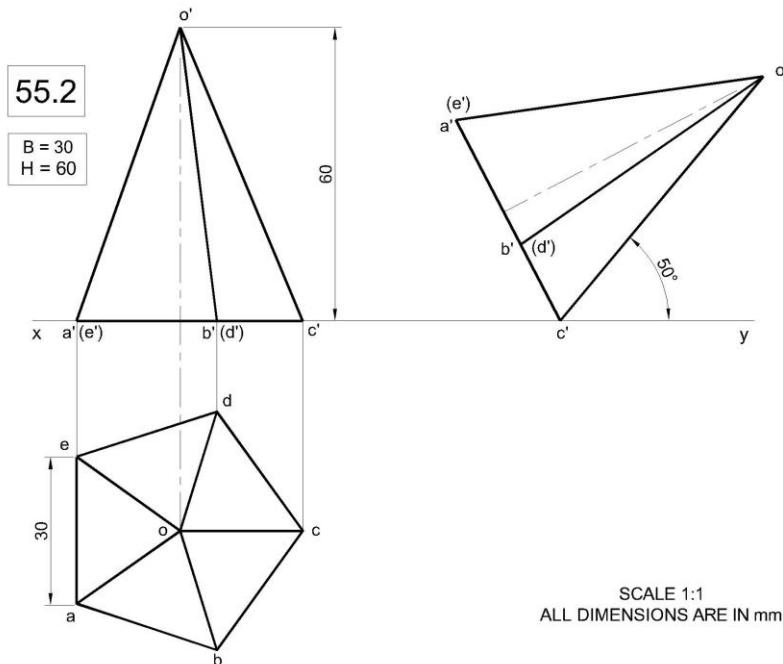
BASE - 30mm ; HEIGHT- 60mm; SLANT EDGE 50° TO HP; TOP VIEW 30° TO XY

SUMESH 8848440142



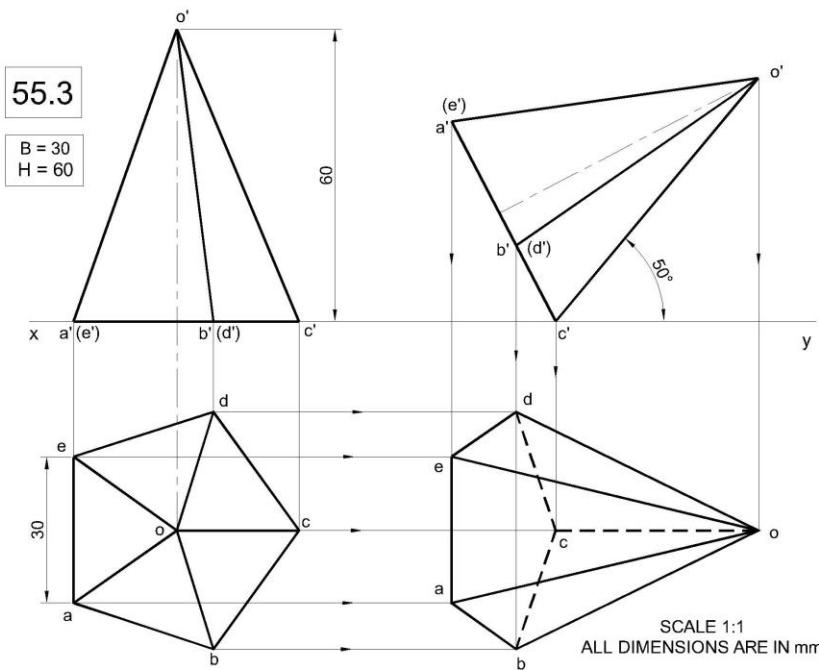
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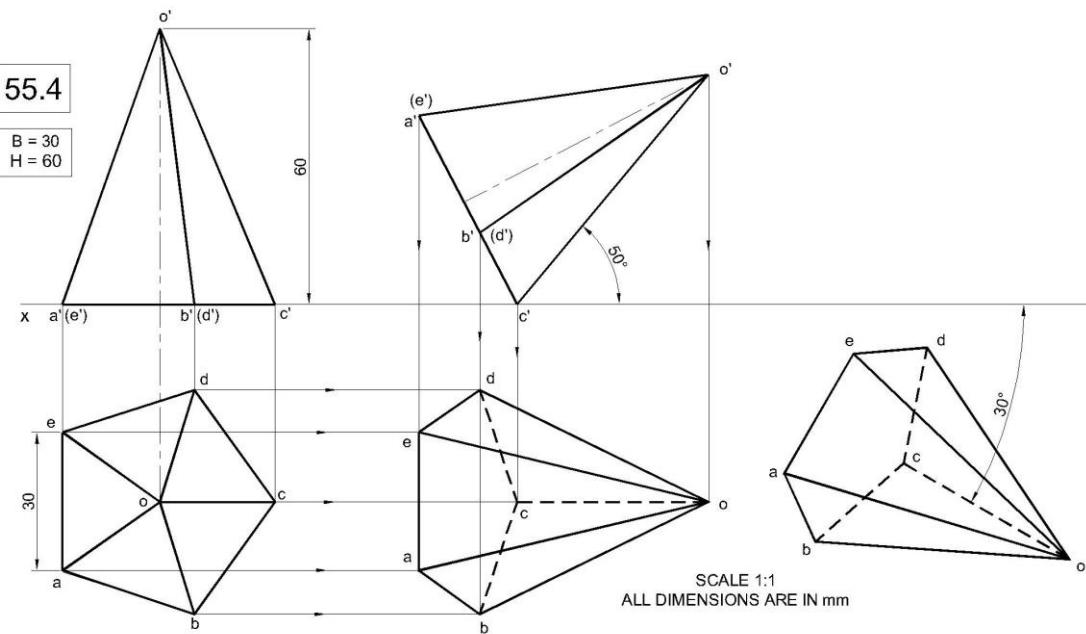
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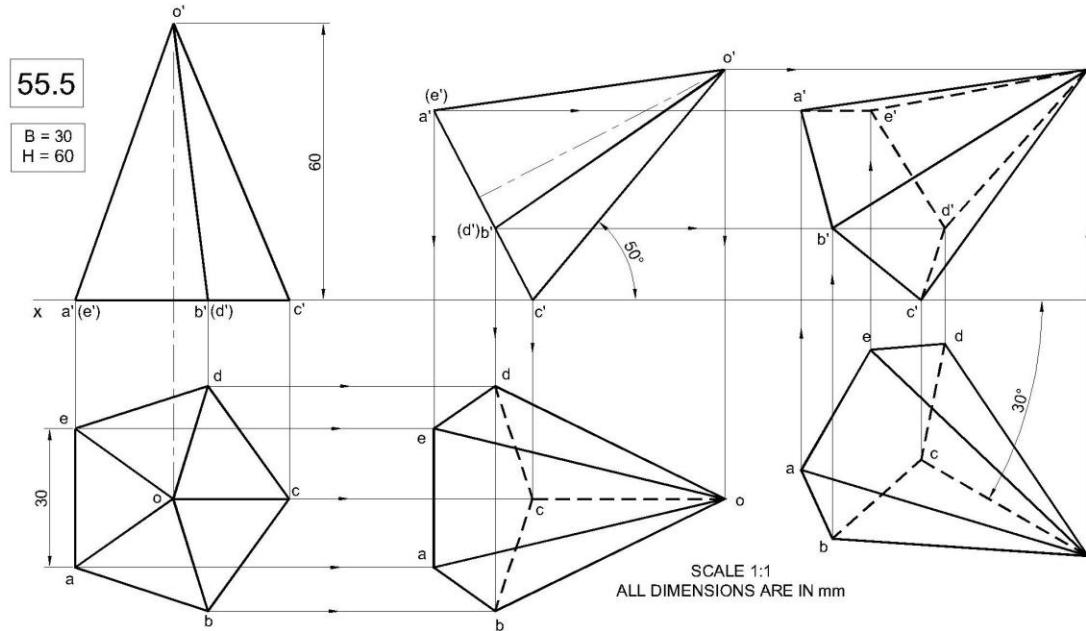
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Q56**PROJECTION OF SOLIDS**

57

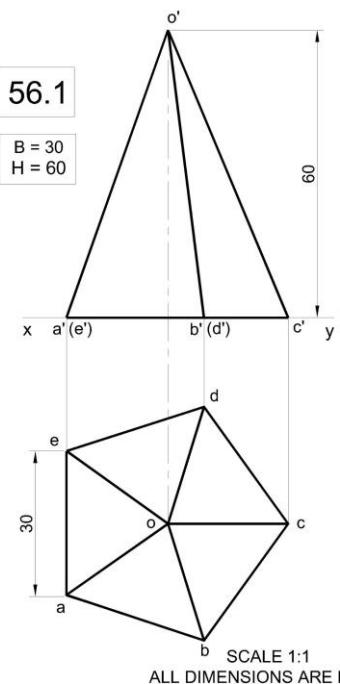
PENTAGONAL PYRAMID-INCLINATION OF SLANT EDGE (LOCUS PROBLEM)

A pentagonal pyramid of base edge 30mm and height 60mm is resting on a corner of its base. The slant edge containing the corner is inclined 50° to HP and 30° to VP.

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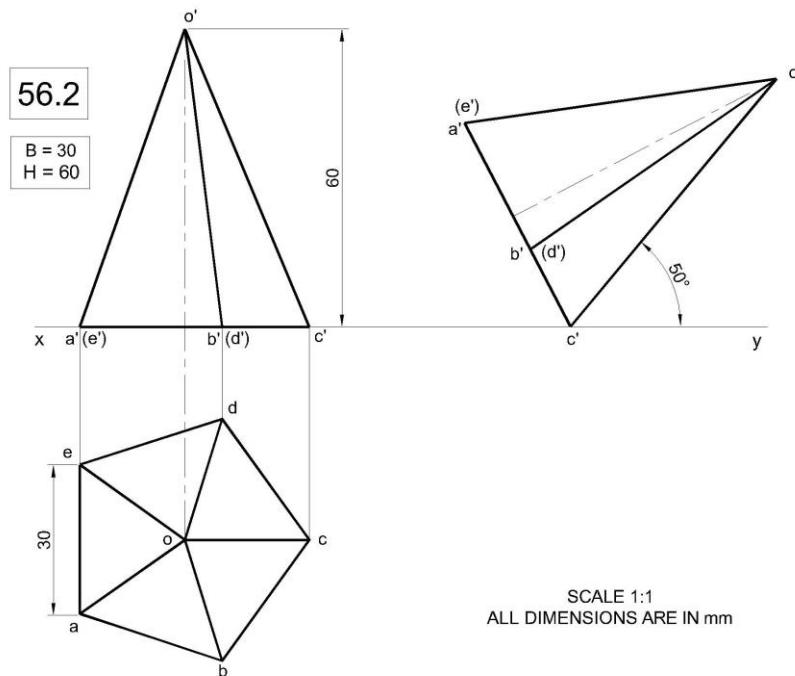
BASE - 30mm ; HEIGHT- 60mm; SLANT EDGE 50° TO HP AND 30° TO VP

SUMESH 8848440142



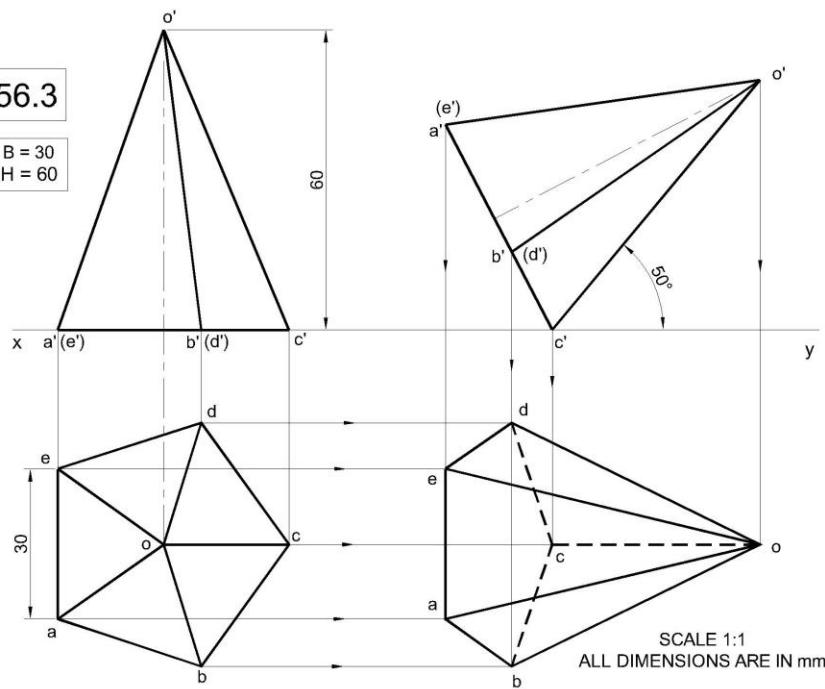
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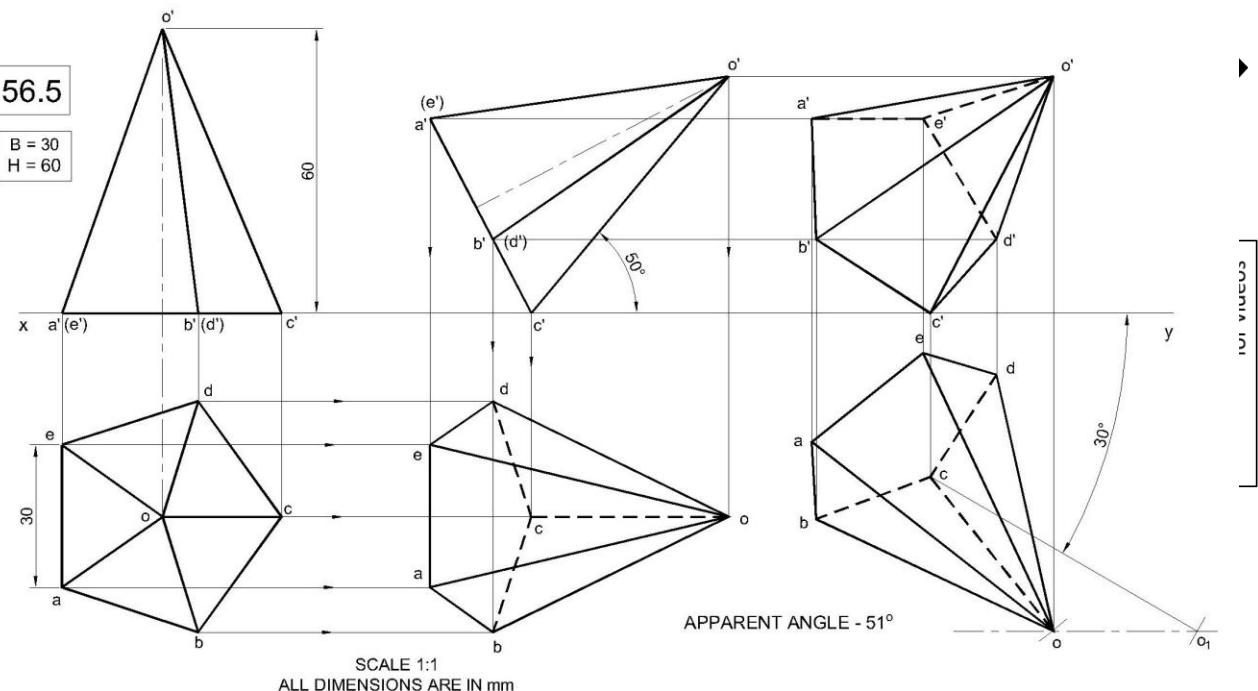
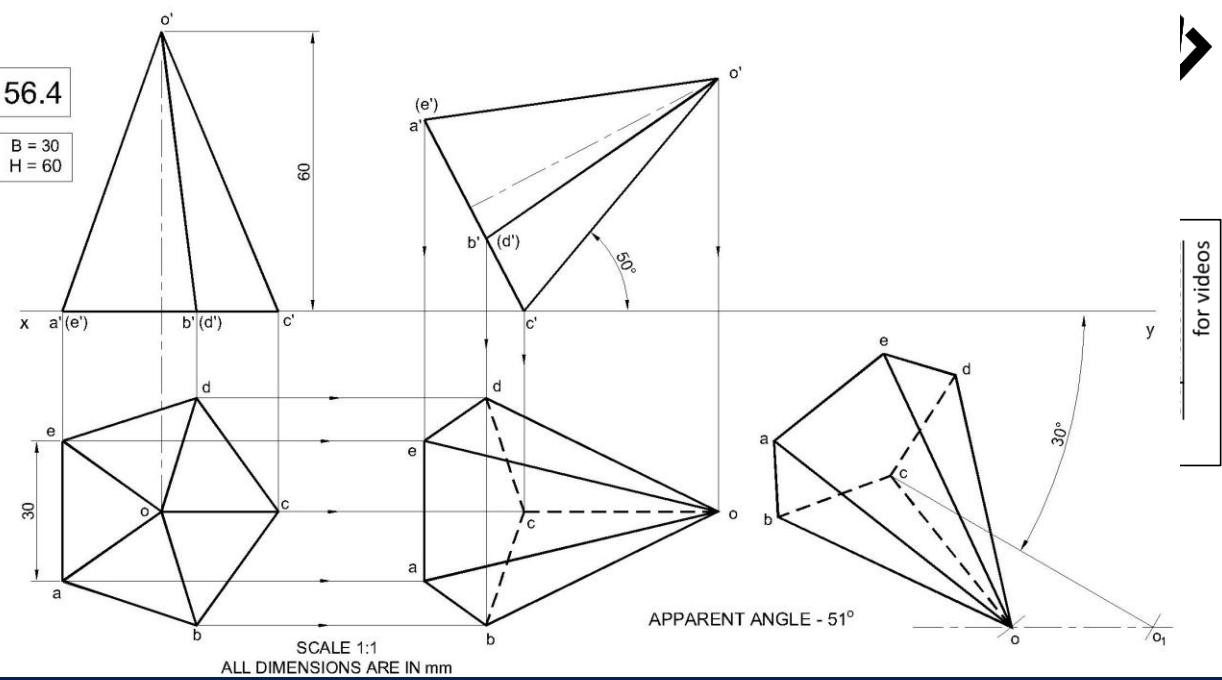


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Q57**PROJECTION OF SOLIDS**

58

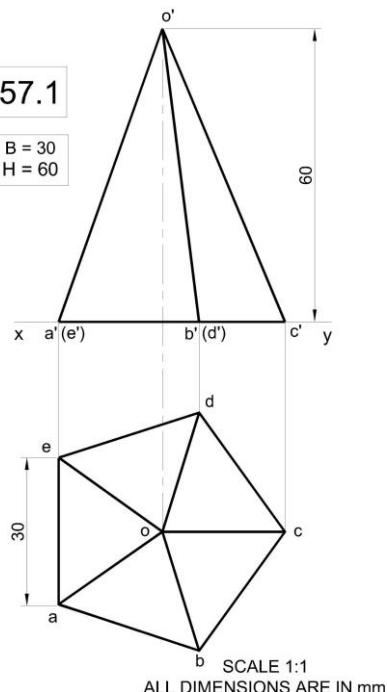
PENTAGONAL PYRAMID-(LOCUS PROBLEM) – SLANT EDGE IN PP

A pentagonal pyramid of base edge 30mm and height 60mm is resting on a corner of its base. The slant edge containing the corner is inclined 50° to HP and 40° to VP. (Complementary angle $50+40=90$ – slant edge in profile plane)

SUMESH 8848440142

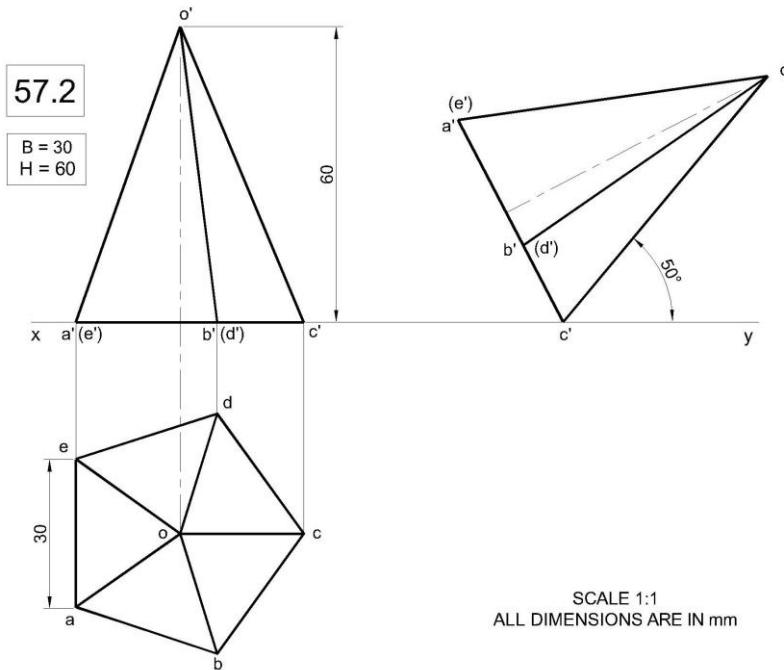
BASE - 30mm ; HEIGHT- 60mm; SLANT EDGE 50° TO HP AND 40° TO VP -COMPLEMENTARY ANGLES

SUMESH 8848440142



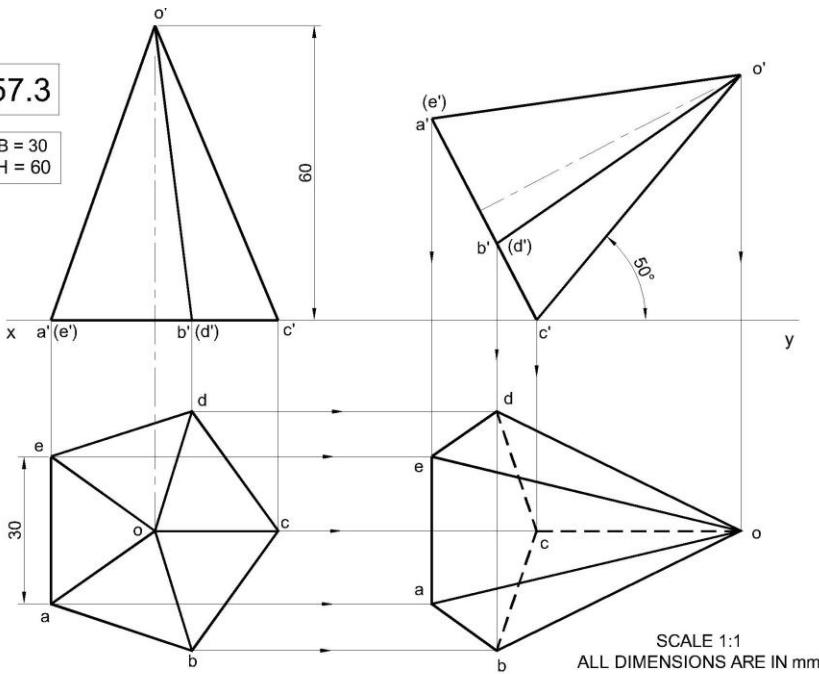
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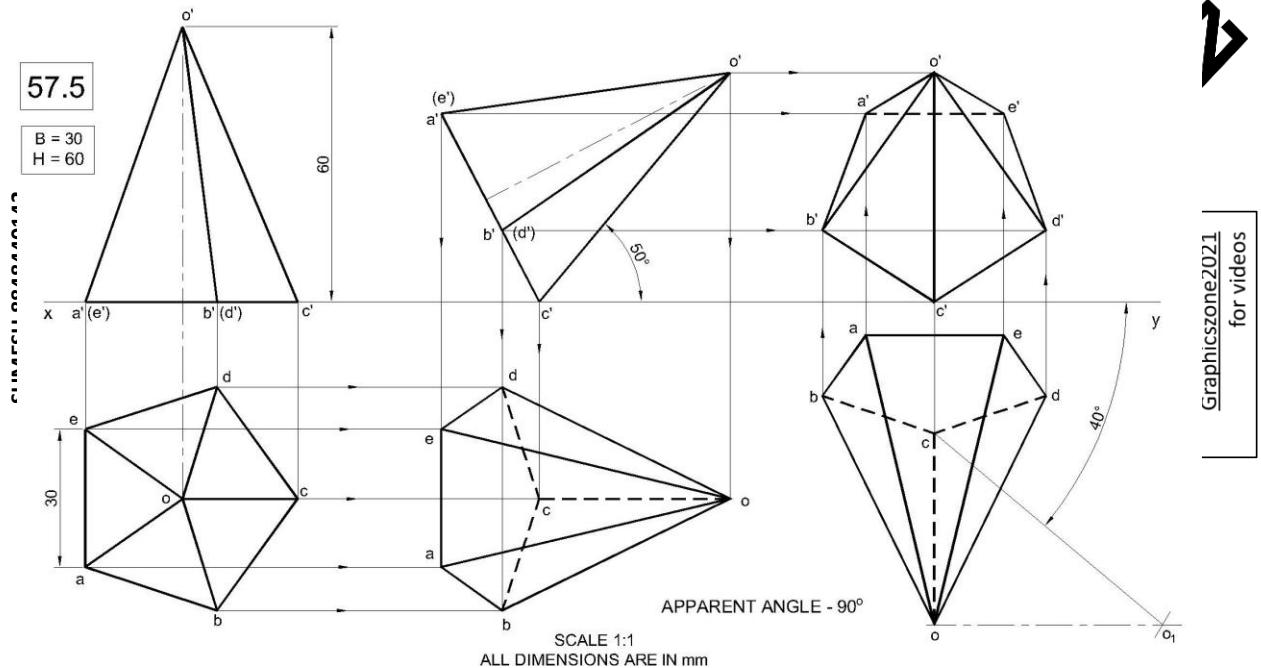
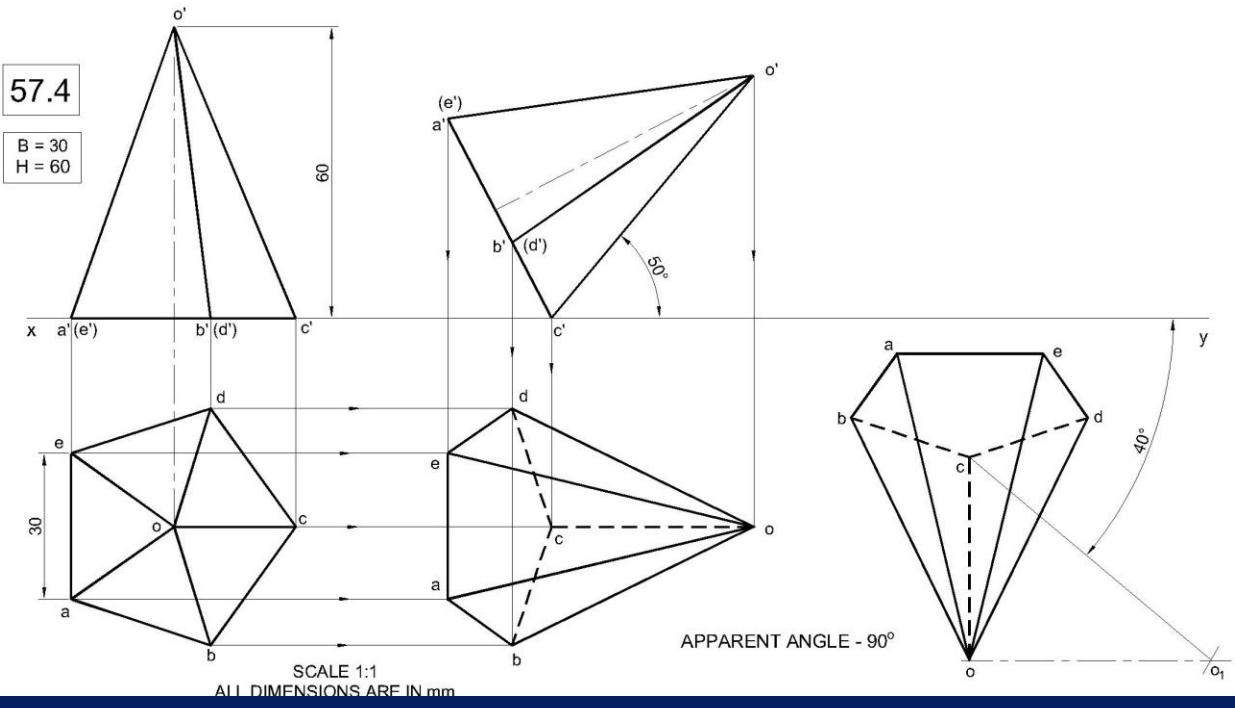


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Q250

PROJECTION OF SOLIDS



59

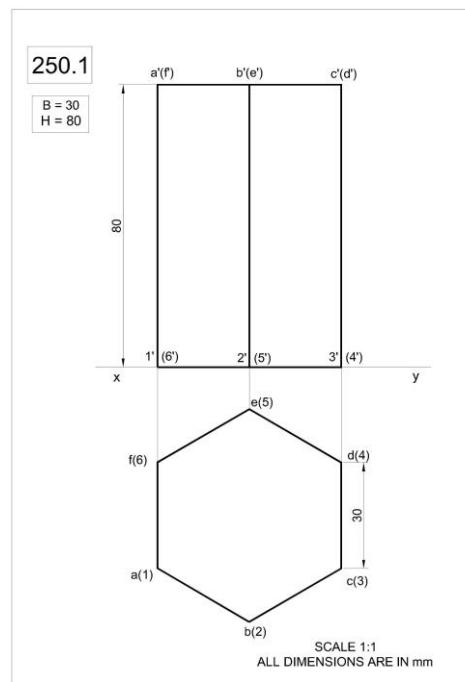
HEXAGONAL PRISM

A hexagonal prism, side of base 30mm and axis 80mm is resting on an edge of base on HP., with its axis inclined at 45° to HP and the resting base edge inclined 50° to VP. Draw the projections of the solid.

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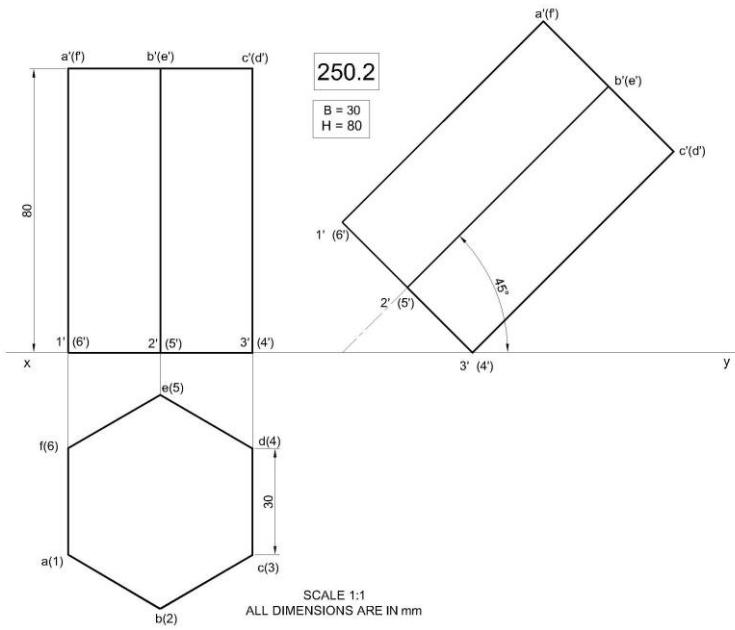
BASE EDGE - 30mm ; HEIGHT - 80mm; AXIS INCLINED 45° TO HP; RESTING BASE EDGE 50° TO VP

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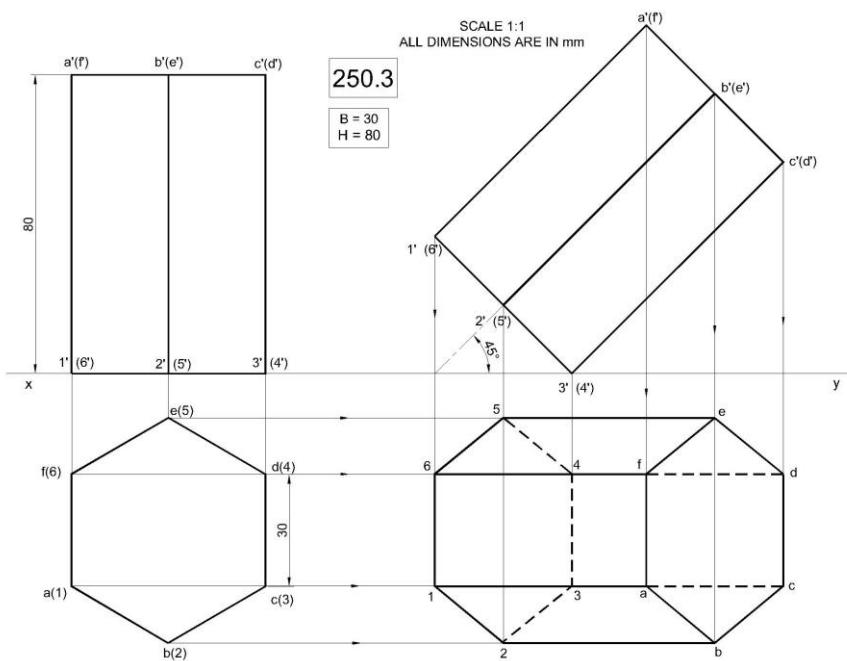
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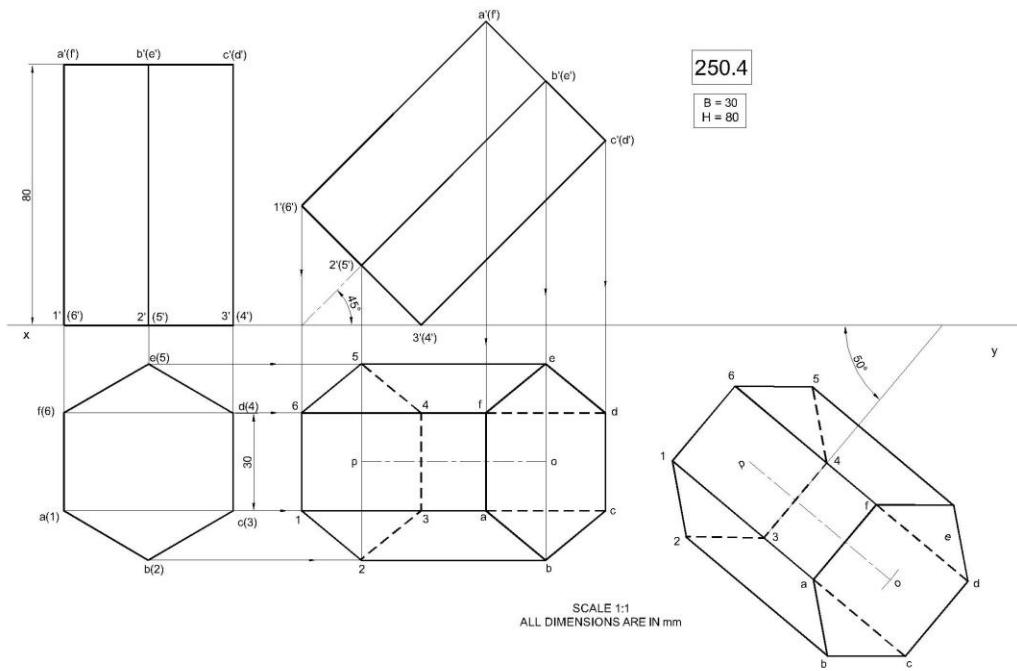
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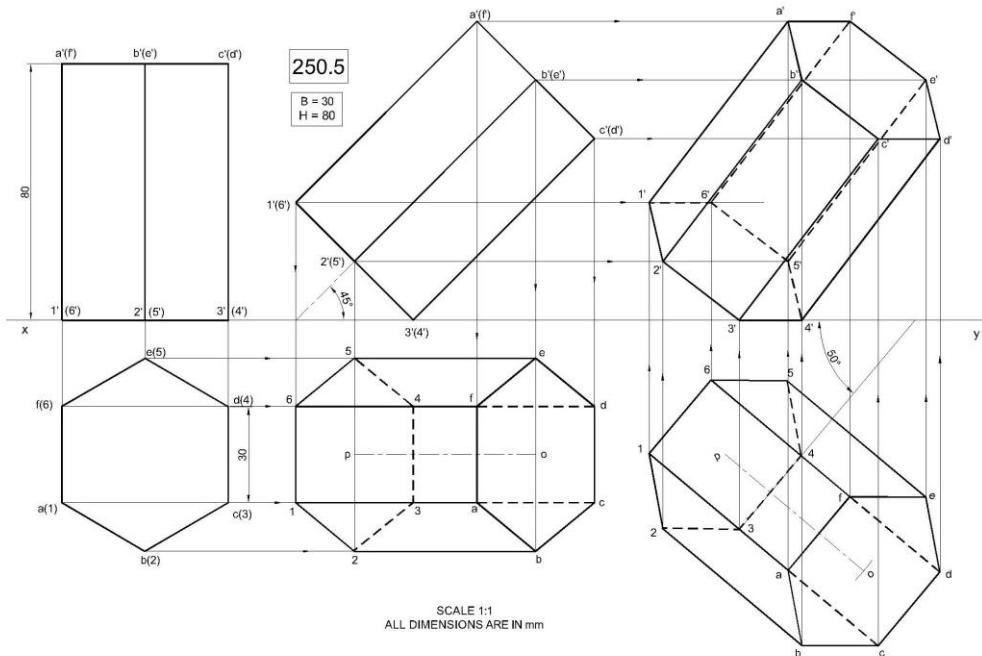
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Q79**PROJECTION OF SOLIDS**

60

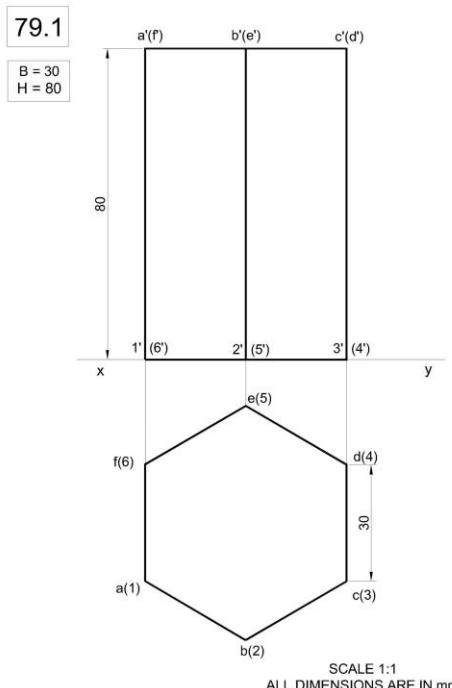
HEXAGONAL PRISM-PLANE CONTAINING THE AXIS INCLINED TO VP (TOP VIEW INCLINED)

A hexagonal prism, side of base 30mm and axis 80mm is resting on an edge of base on HP., with its axis inclined at 45° to HP and the plane containing the axis inclined 40° to VP. [or top view of the axis inclined 40° to xy-line] Draw the projections of the solid.

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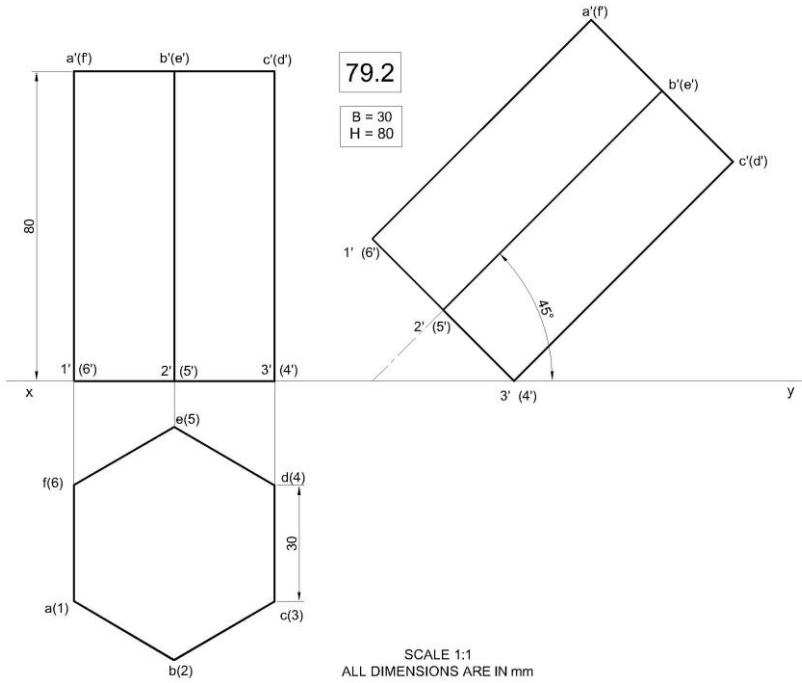
BASE EDGE - 30mm ; HEIGHT - 80mm; AXIS INCLINED 45° TO HP; TOP VIEW 40° TO XY

SUMESH 8848440142



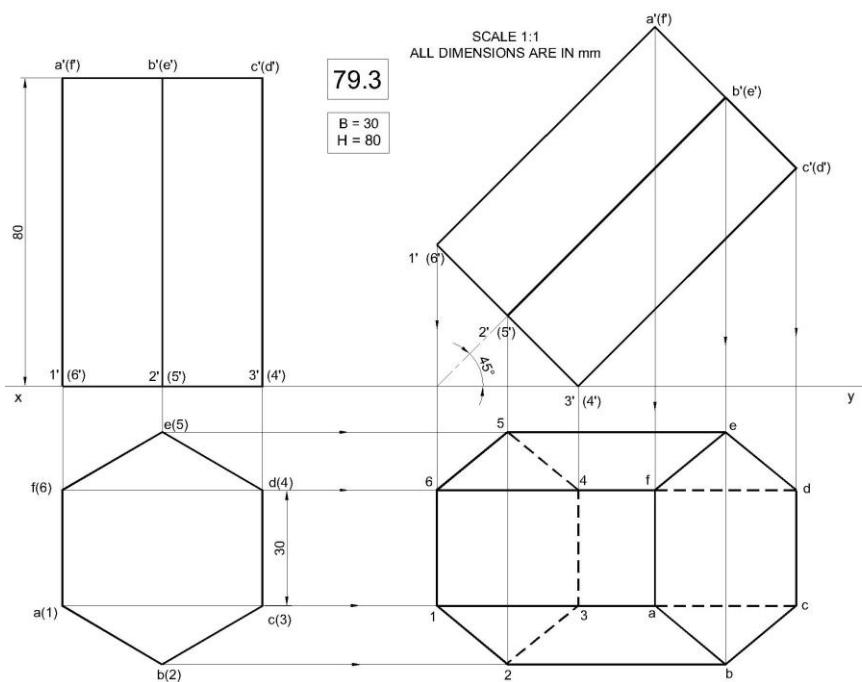
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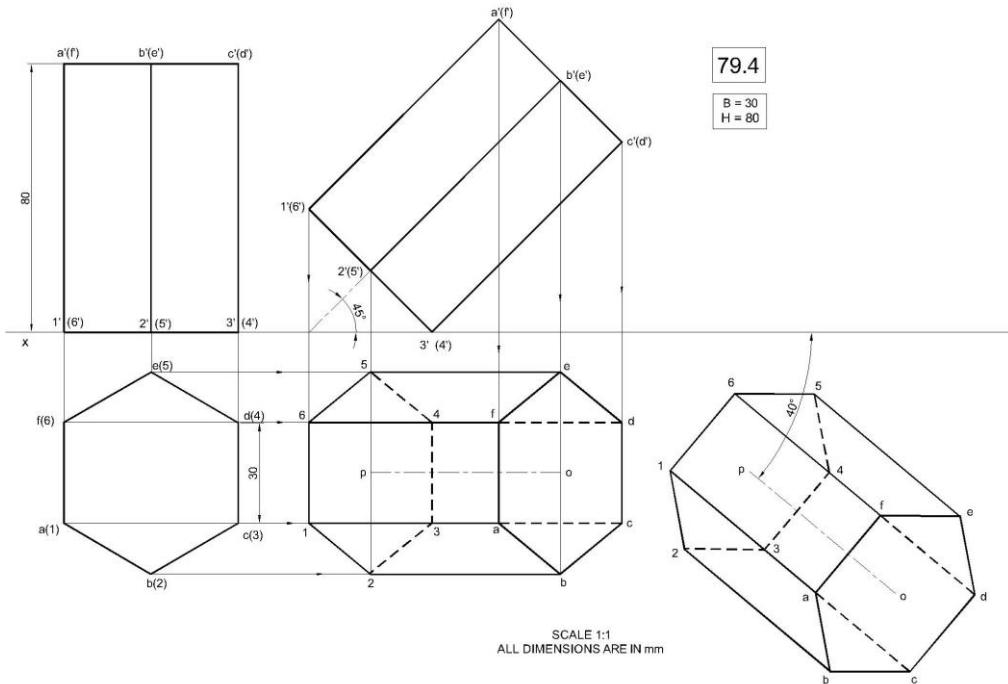
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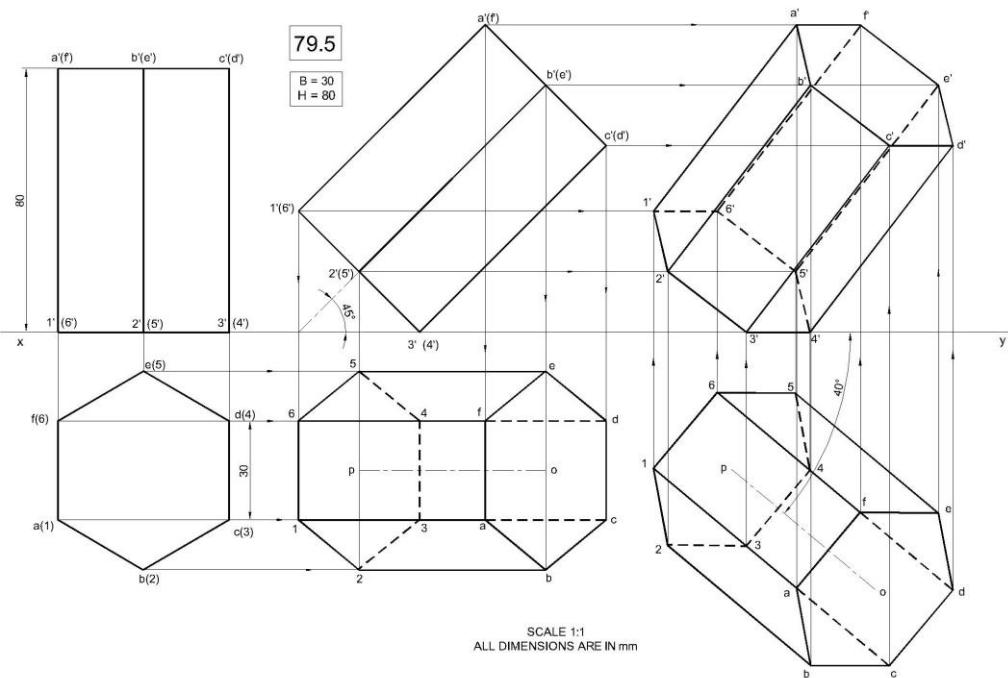
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Q80**PROJECTION OF SOLIDS**

61

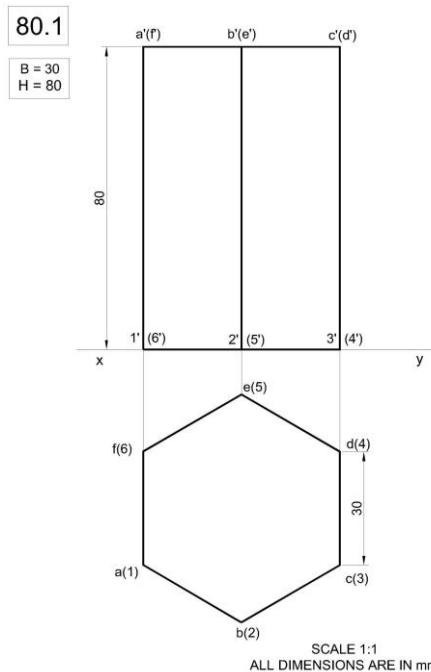
HEXAGONAL PRISM-AXIS INCLINED TO BOTH HP AND VP - LOCUS PROBLEM

A hexagonal prism, side of base 30mm and axis 80mm is resting on an edge of base on HP., with its axis inclined at 45° to HP and 40° to VP.
Draw the projections of the solid.

SUMESH 8848440142

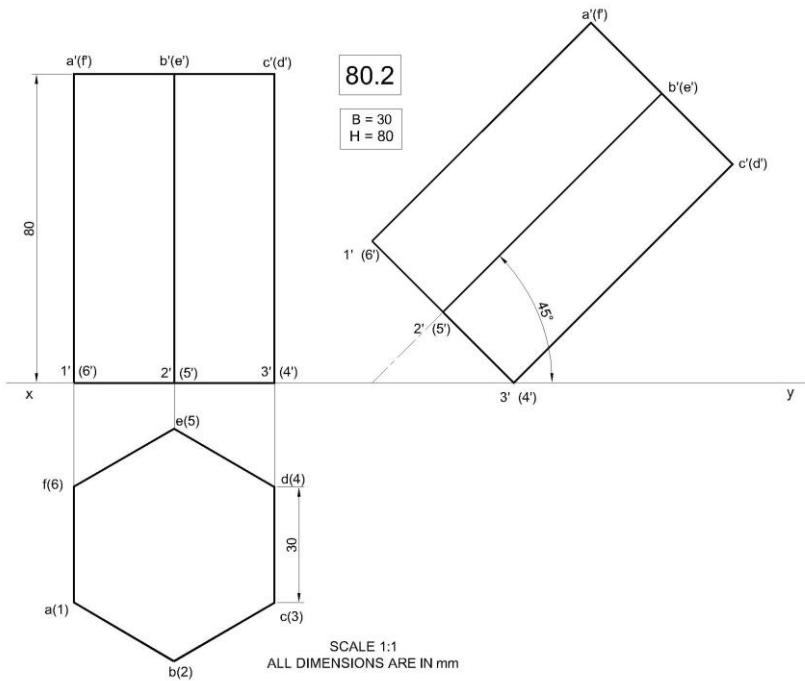
BASE EDGE - 30mm ; HEIGHT - 80mm; AXIS INCLINED 45° TO HP; AND 40° TO VP

SUMESH 8848440142



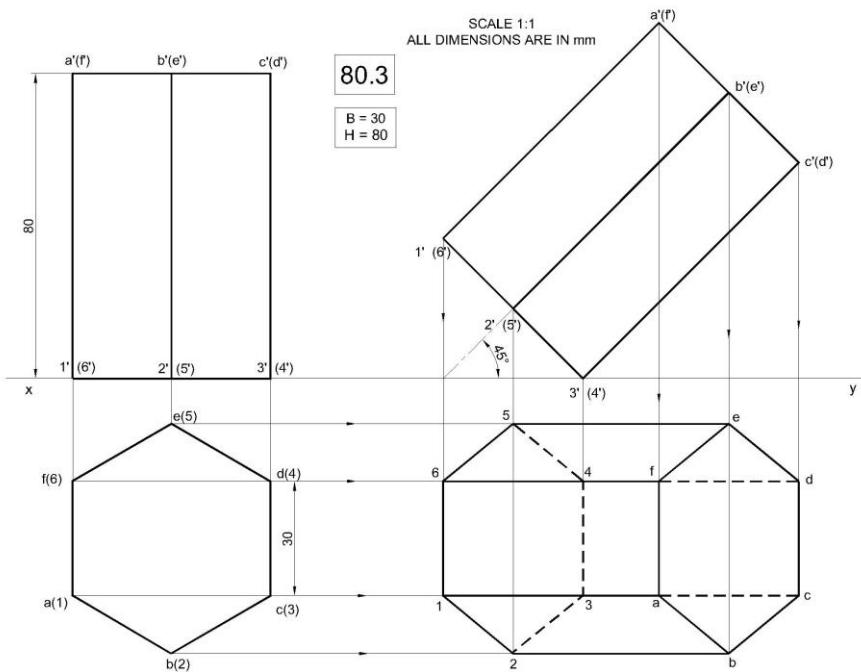
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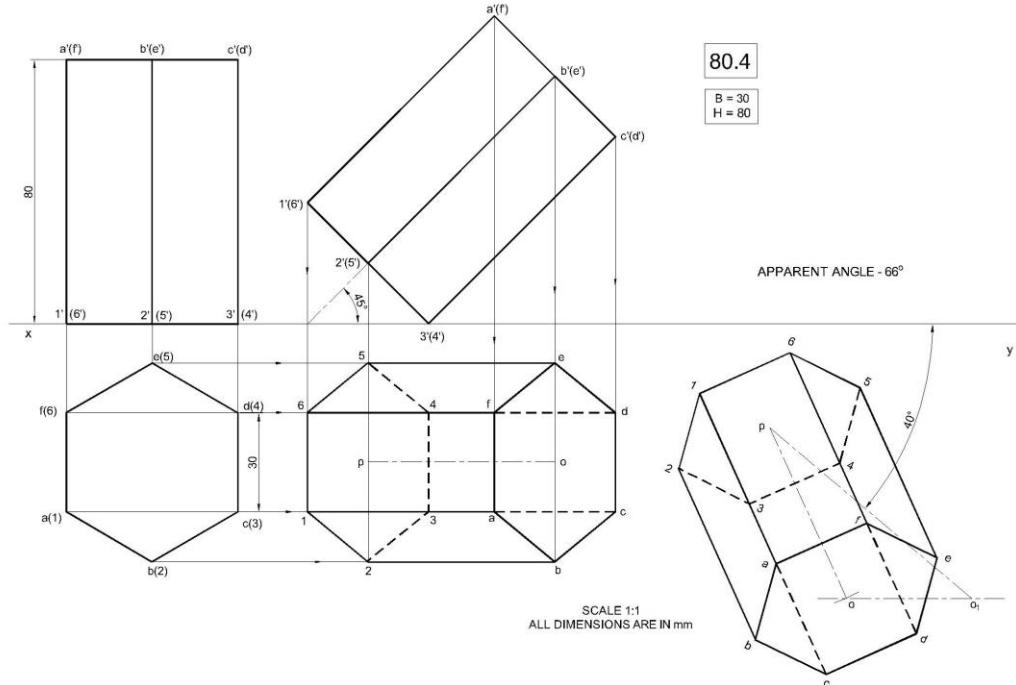
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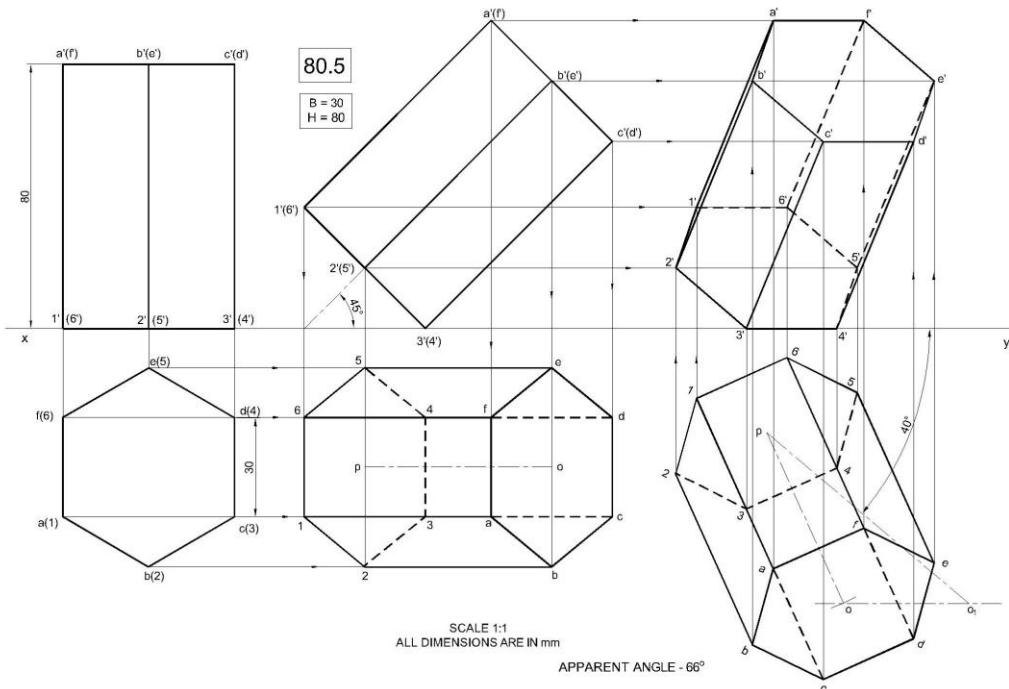
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Q84**PROJECTION OF SOLIDS**

62

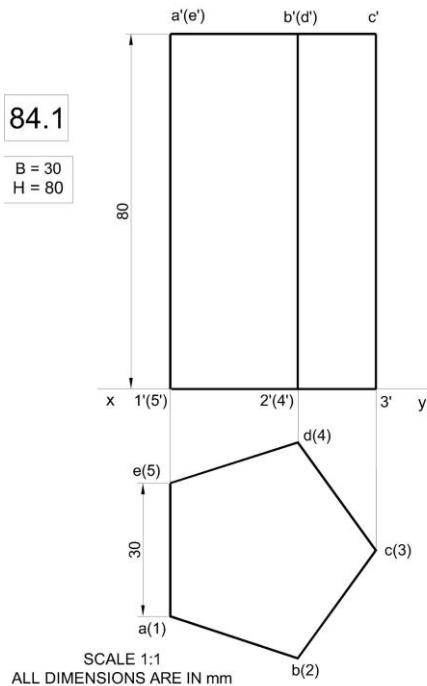
PENTAGONAL PRISM-AXIS ON PP - LOCUS PROBLEM (COMPLEMENTARY)

A pentagonal prism, side of base 30mm and axis 80mm is resting on a base corner on HP., with its slant edge inclined at 45° to HP and 45° to VP. Draw the projections of the solid.

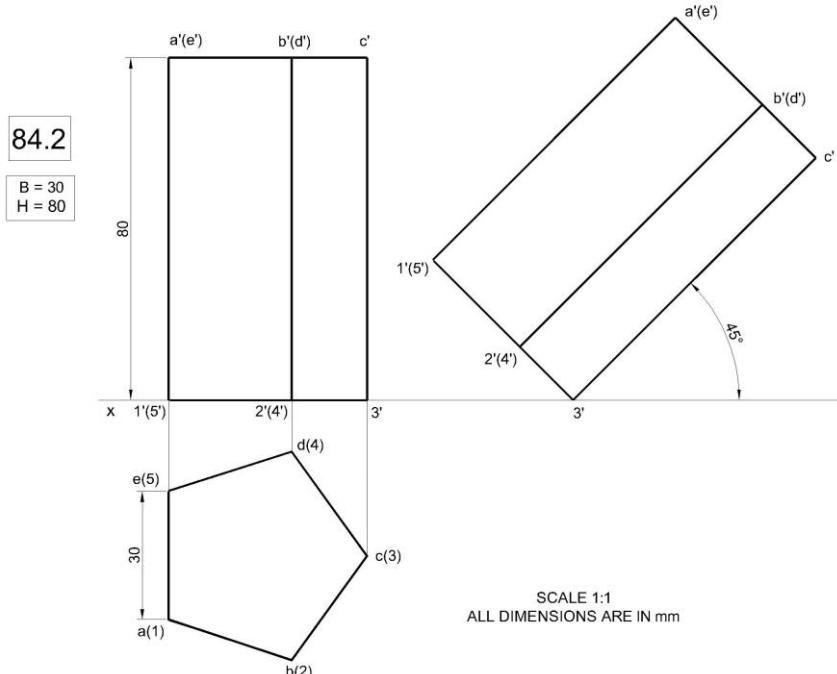
SUMESH 8848440142

BASE EDGE - 30mm ; HEIGHT - 80mm; AXIS INCLINED 45° TO HP; AND 45° TO VP

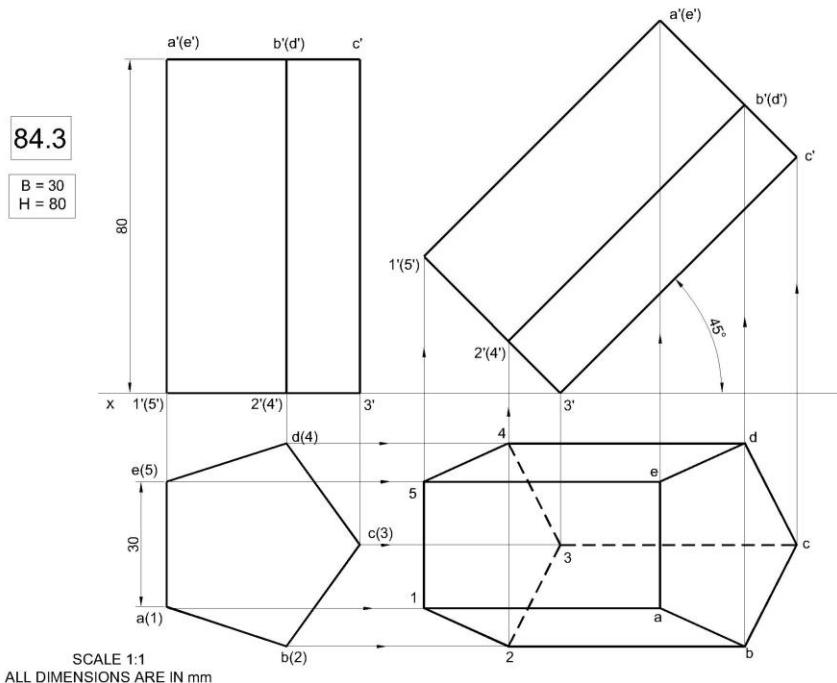
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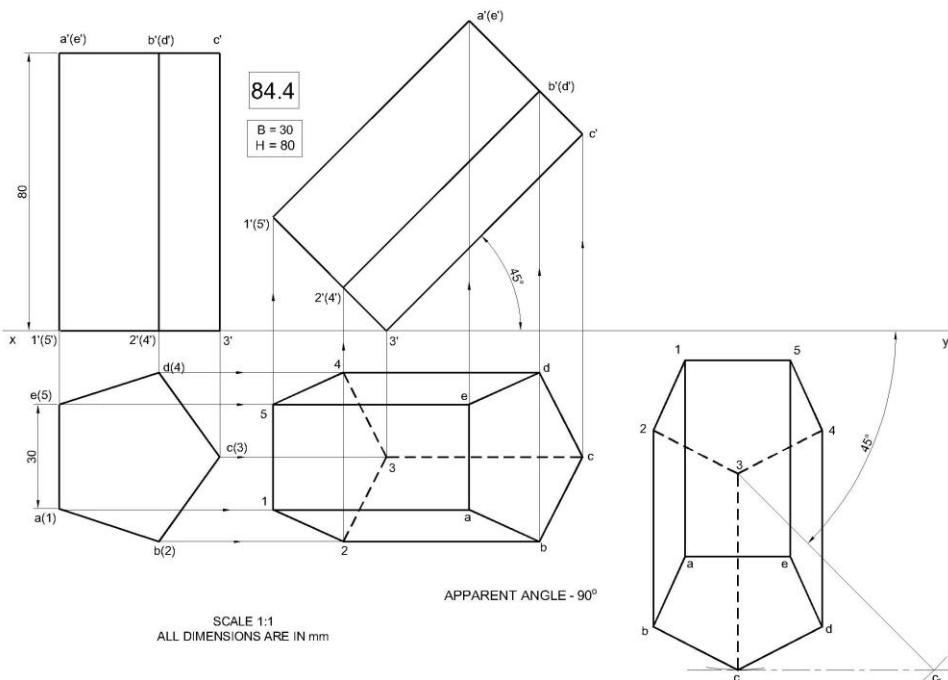


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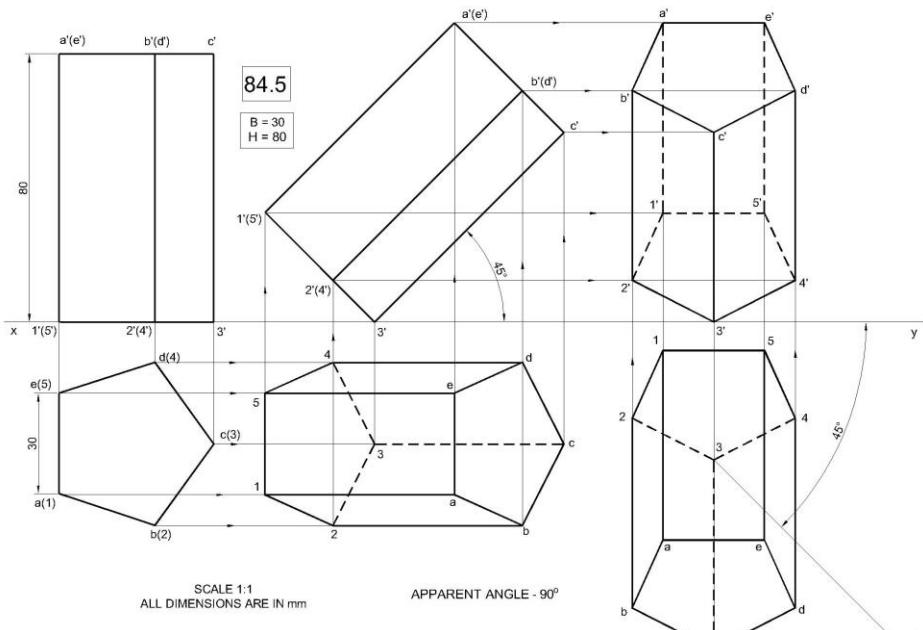
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Q69**PROJECTION OF SOLIDS**

63

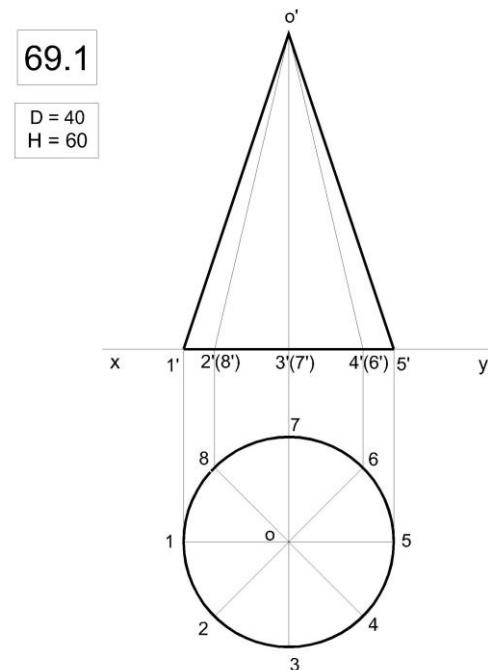
CONE – RESTING ON BASE POINT ON HP- AXIS INCLINED TO HP- TOP VIEW INCLINED

A cone of base diameter 40mm and height 60mm is resting on a base point on HP. The axis inclined 40° to HP and the vertical plane containing the axis and the generator is inclined 45° to VP and apex away from VP.

SUMESH 8848440142

BASE DIA- 40mm ; HEIGHT- 60mm; RESTING ON BASE POINT ON HP & INCLINED 40° TO HP & TV 45° to VP

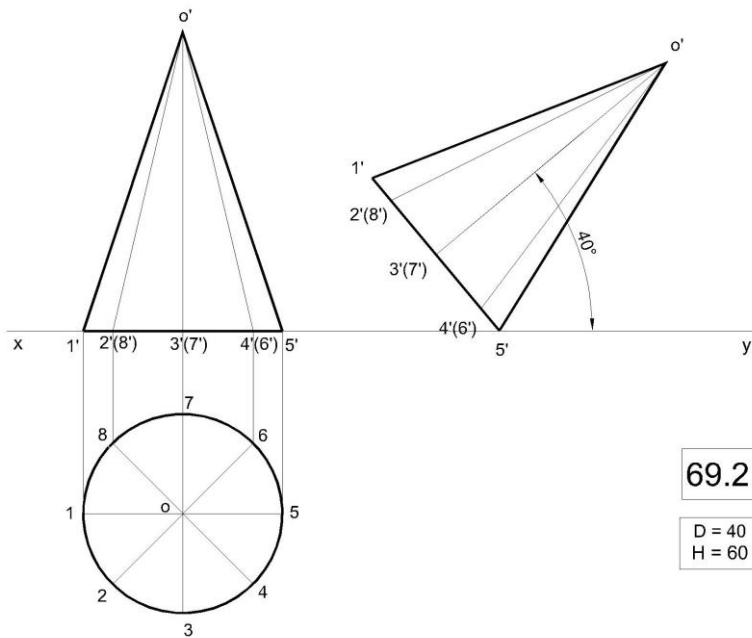
SUMESH 8848440142



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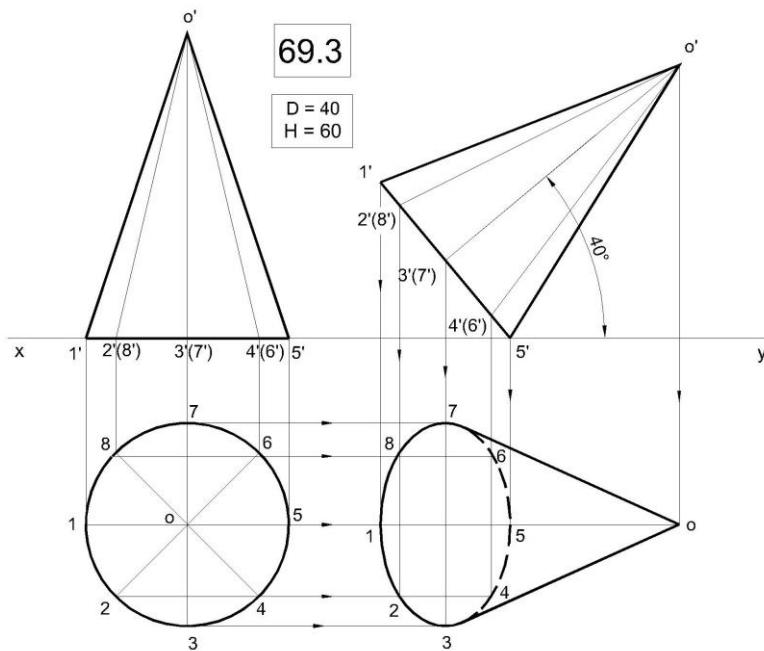


SUMESH 8848440142



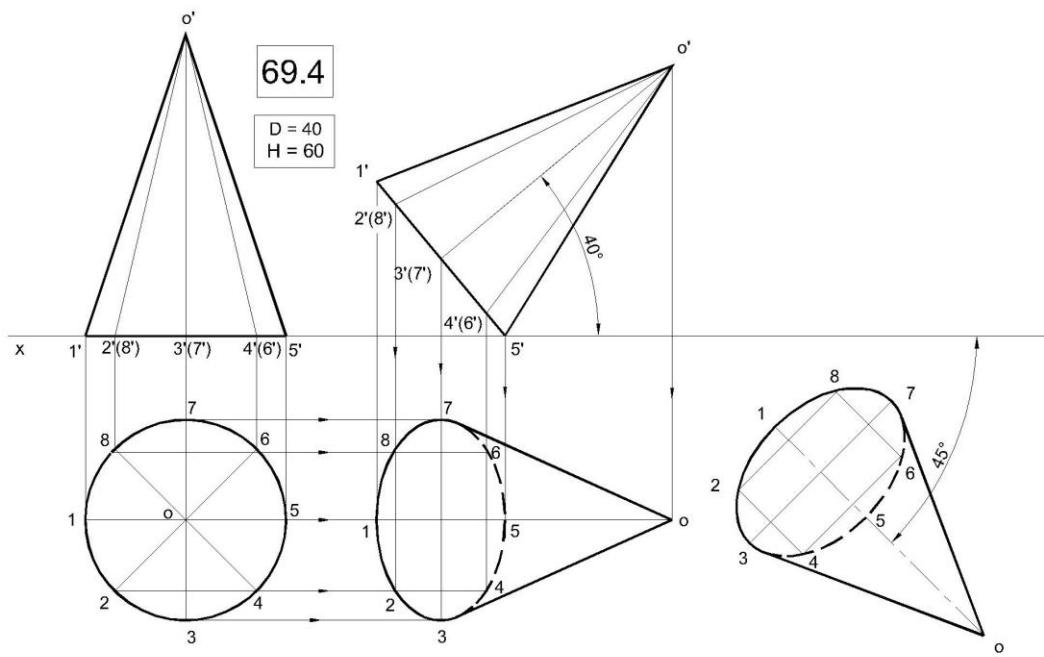
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SUMESH 8848440142



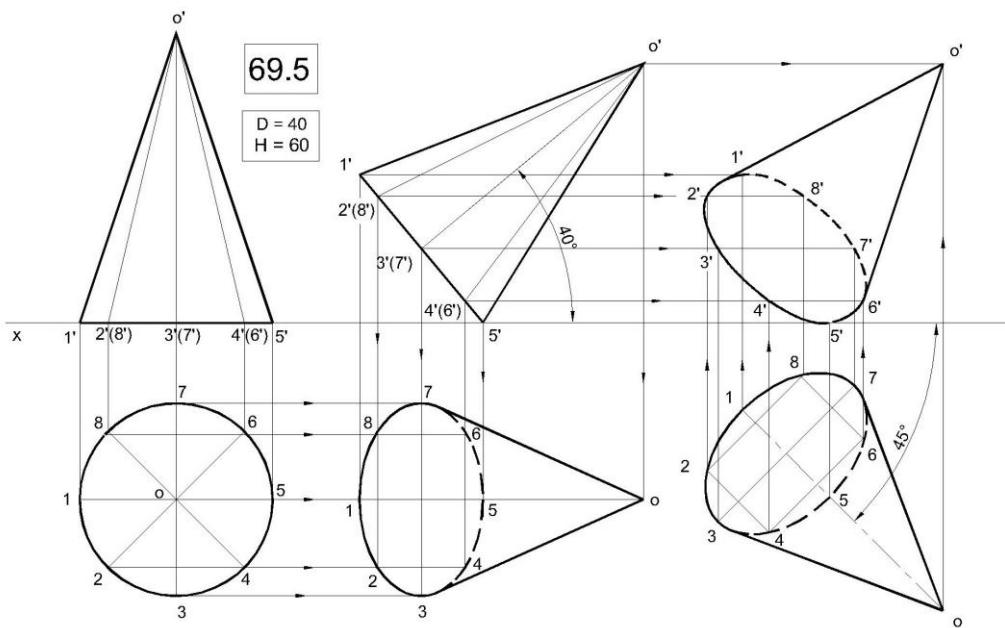
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SUMESH 8848440142



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SUMESH 8848440142



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Q70**PROJECTION OF SOLIDS**

64

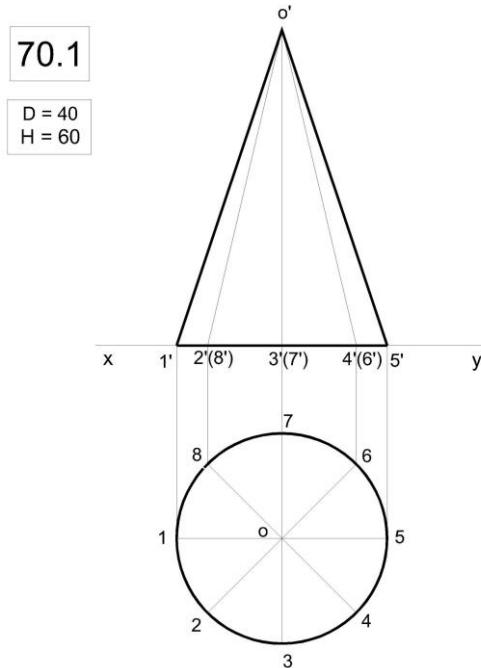
CONE - LYING ON A POINT OF THE BASE CIRCLE & BASE DIA. INCLINED TO VP

A cone of diameter 40mm and height 60mm is resting on a point on the base circle with the generator passing through the resting point is inclined 40° to the HP and the diameter parallel to HP is inclined 45° with VP. Draw the projections of the solid if the apex towards VP.

SUMESH 8848440142

BASE DIA- 40mm ; HEIGHT- 60mm; GENERATOR 40° TO HP ; DIAMETER PARALLEL TO HP IS INCLINED 45° TO VP

SUMESH 8848440142

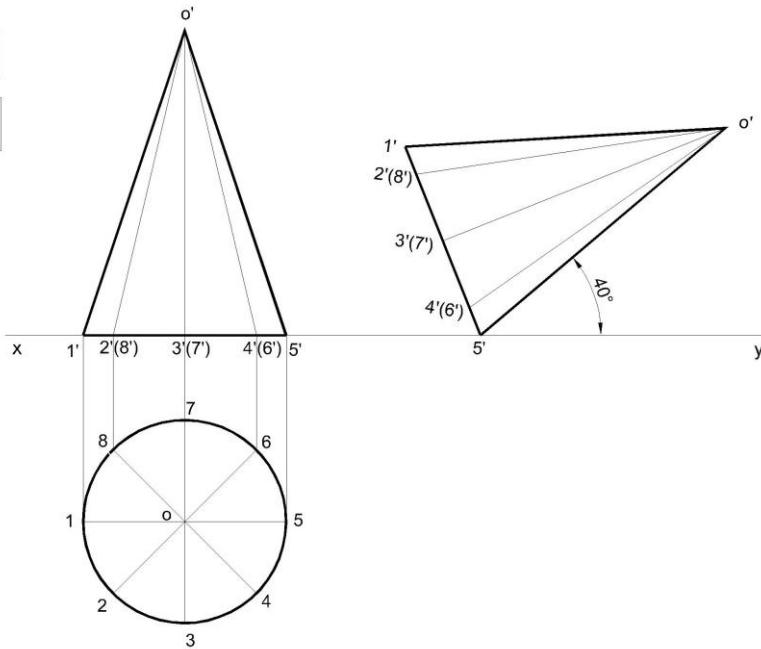


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SUMESH 8848440142

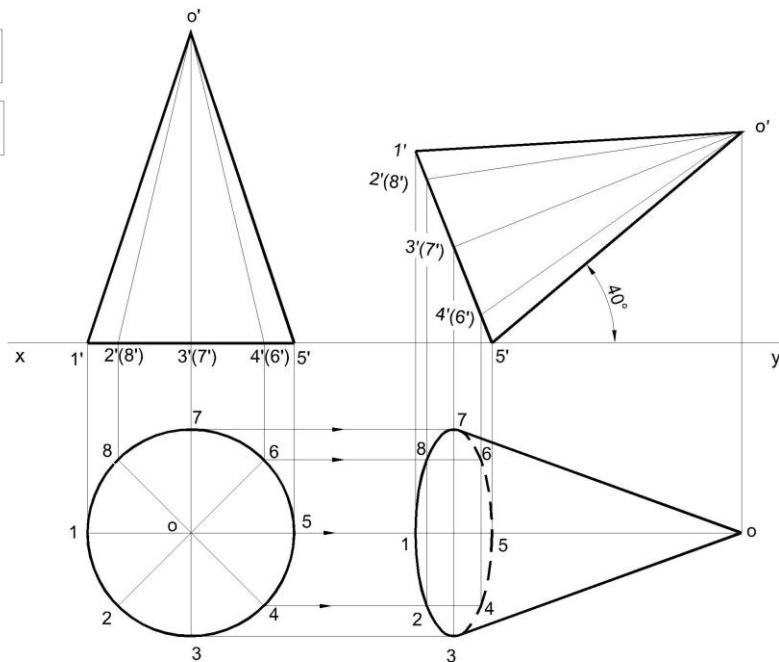
70.2

D = 40
H = 60

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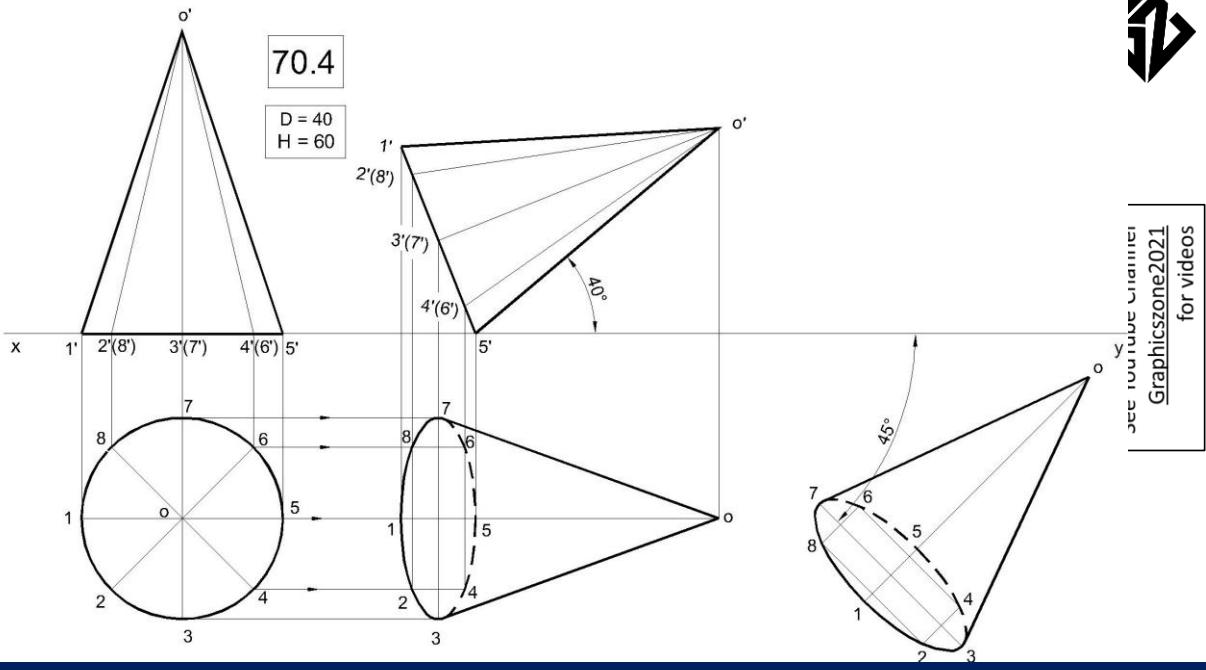
SUMESH 8848440142

70.3

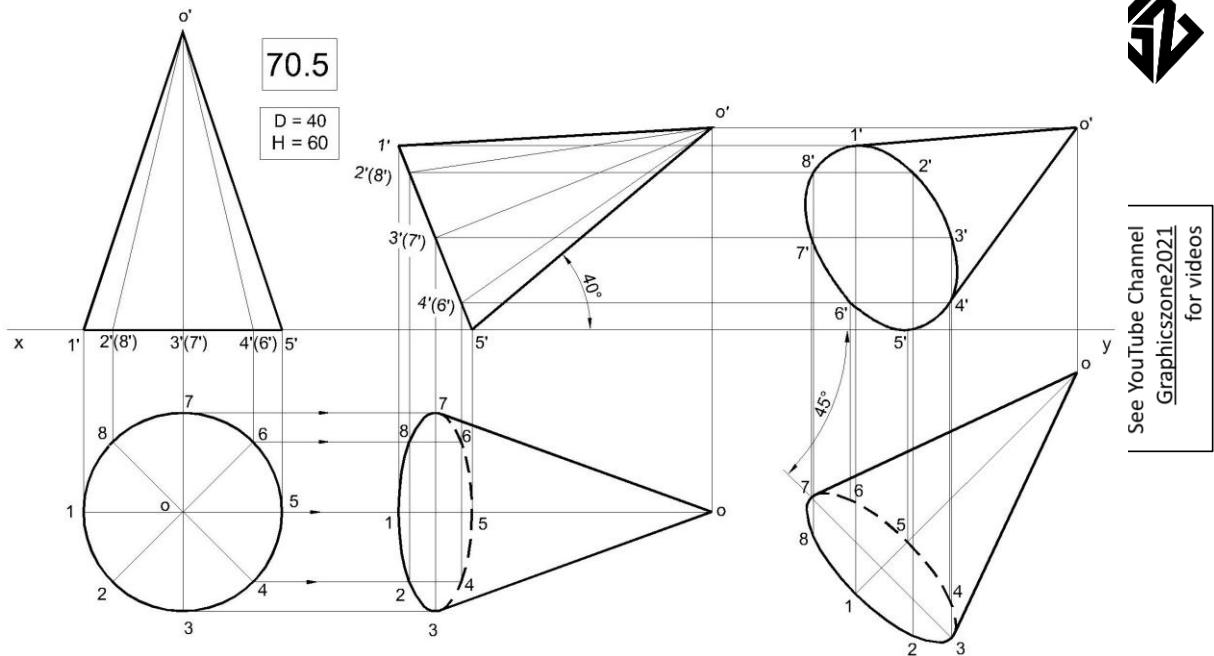
D = 40
H = 60

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SUMESH 8848440142



SUMESH 8848440142



Q219**PROJECTION OF SOLIDS**

65

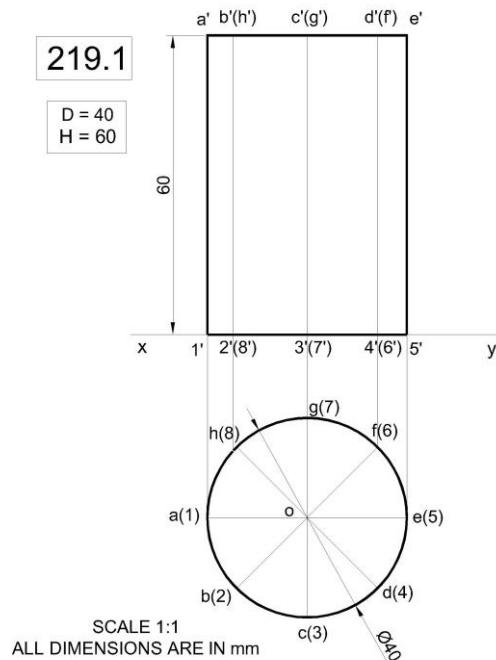
CYLINDER ON HP- INCLINED TO BOTH PLANES

Draw the projections of a cylinder rests on HP which has 40mm diameter and 60mm height. If the base makes an angle of 60° to HP and the top view of the axis makes 35° to XY line

SUMESH 8848440142

BASE DIA - 40mm ; HEIGHT- 60mm; RESTING BASE 60° TO HP; TOP VIEW 35° TO XY

SUMESH 8848440142

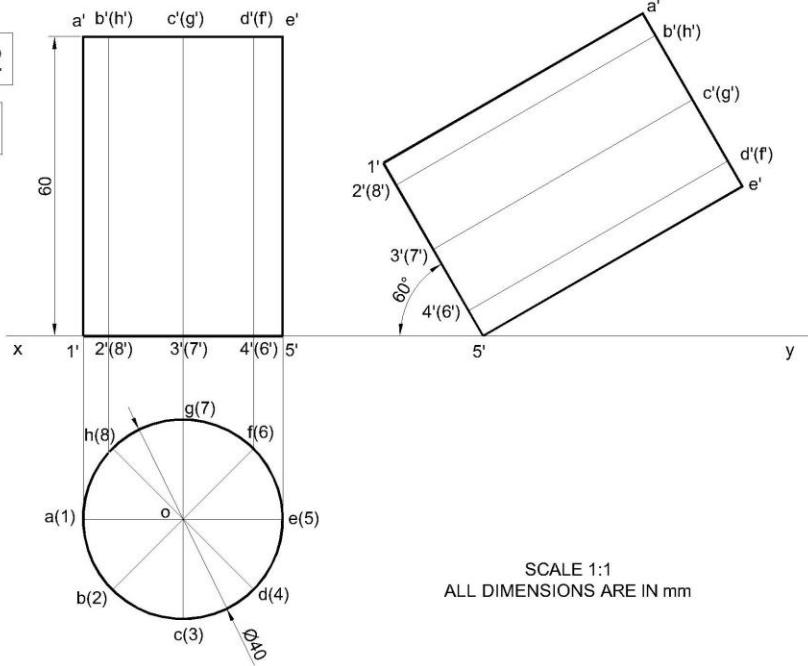


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SUMESH 8848440142

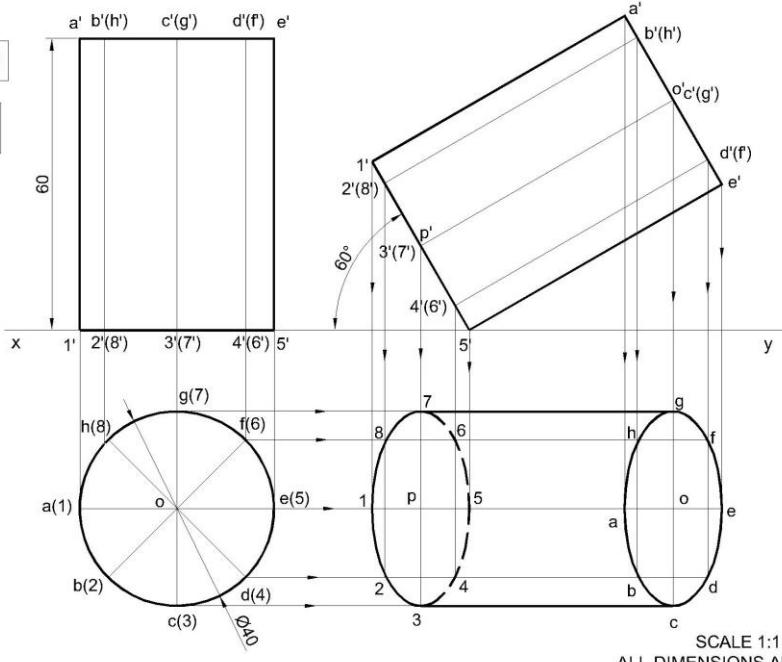
219.2

D = 40
H = 60

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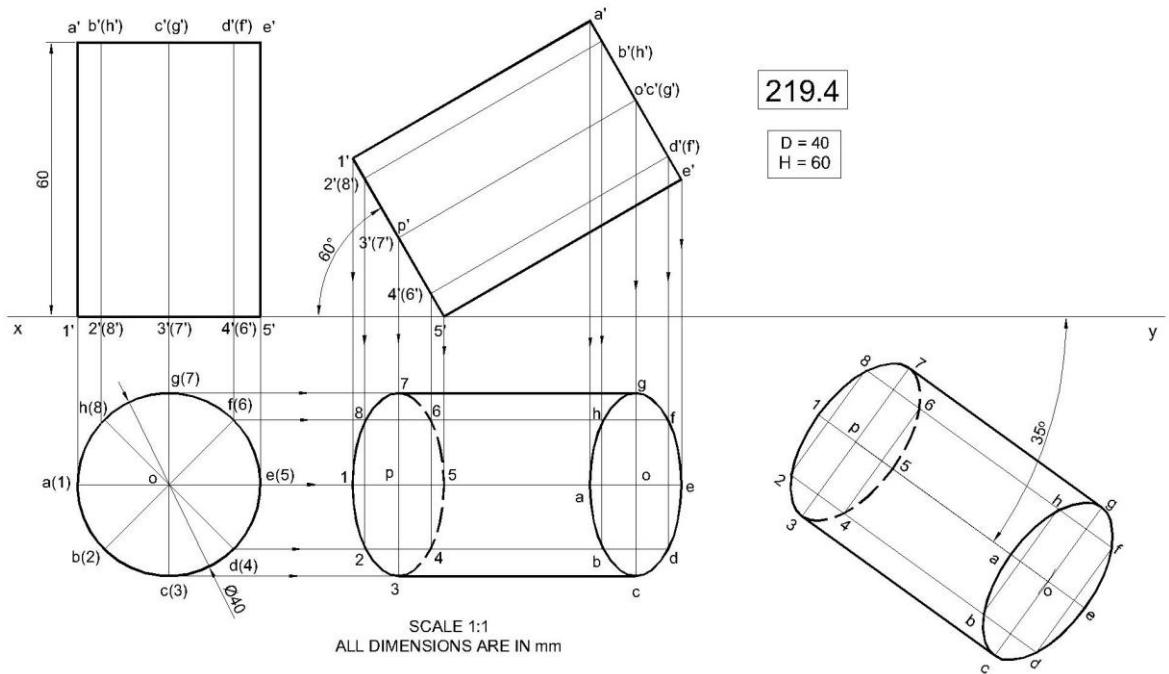
SUMESH 8848440142

219.3

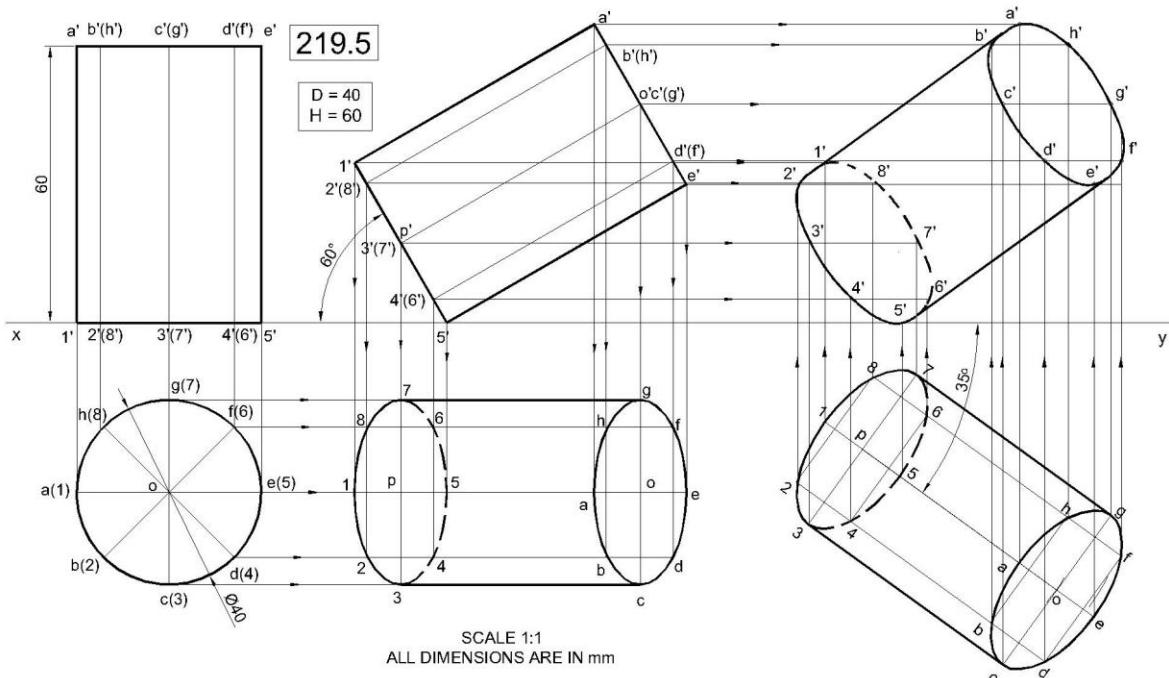
D = 40
H = 60

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SUMESH 8848440142



SUMESH 8848440142



Q85**PROJECTION OF SOLIDS**

66

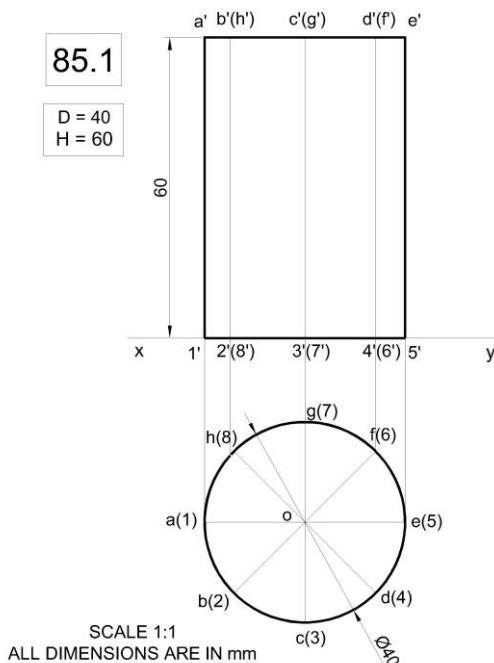
CYLINDER -AXIS INCLINED TO BOTH HP AND VP (LOCUS PROBLEM)

A cylinder of 40mm base diameter and 60mm axis rests on HP with a point of its base such that the axis is inclined at 30° to HP and 30° to VP. Draw the projections.

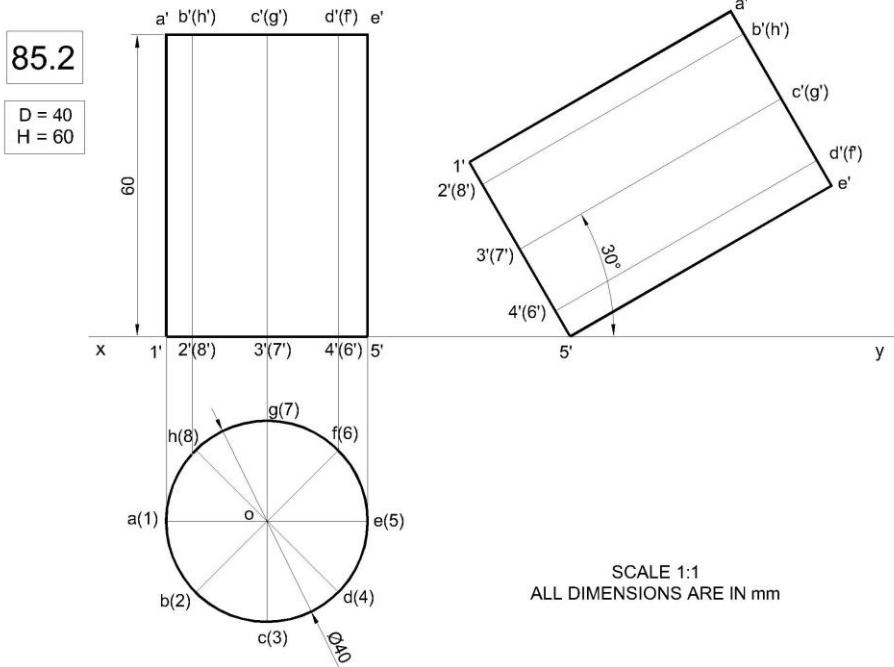
SUMESH 8848440142

BASE DIA- 40mm ; HEIGHT- 60mm; AXIS 30° TO HP AND 30° TO VP

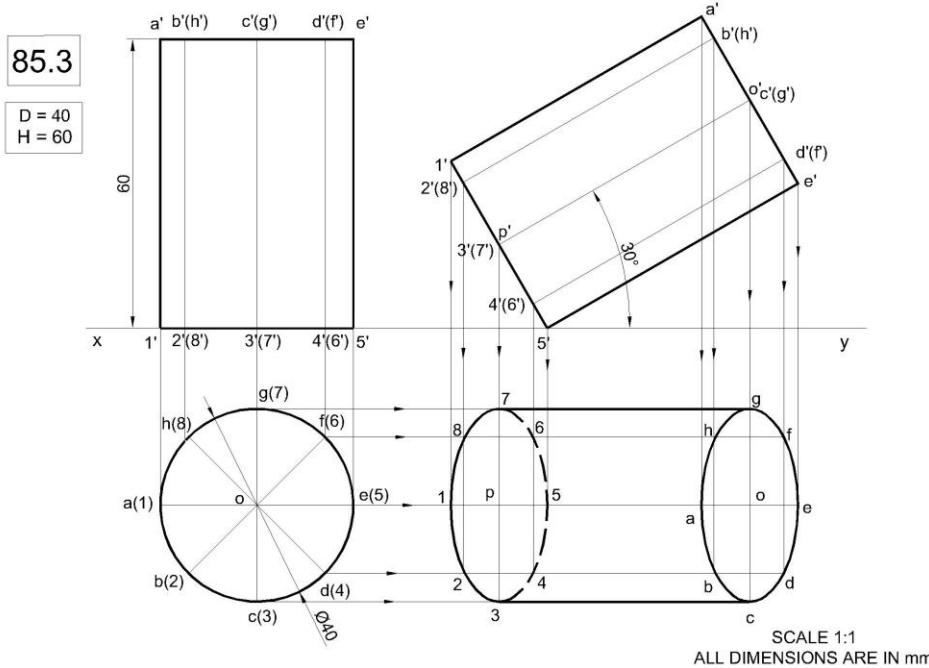
SUMESH 8848440142



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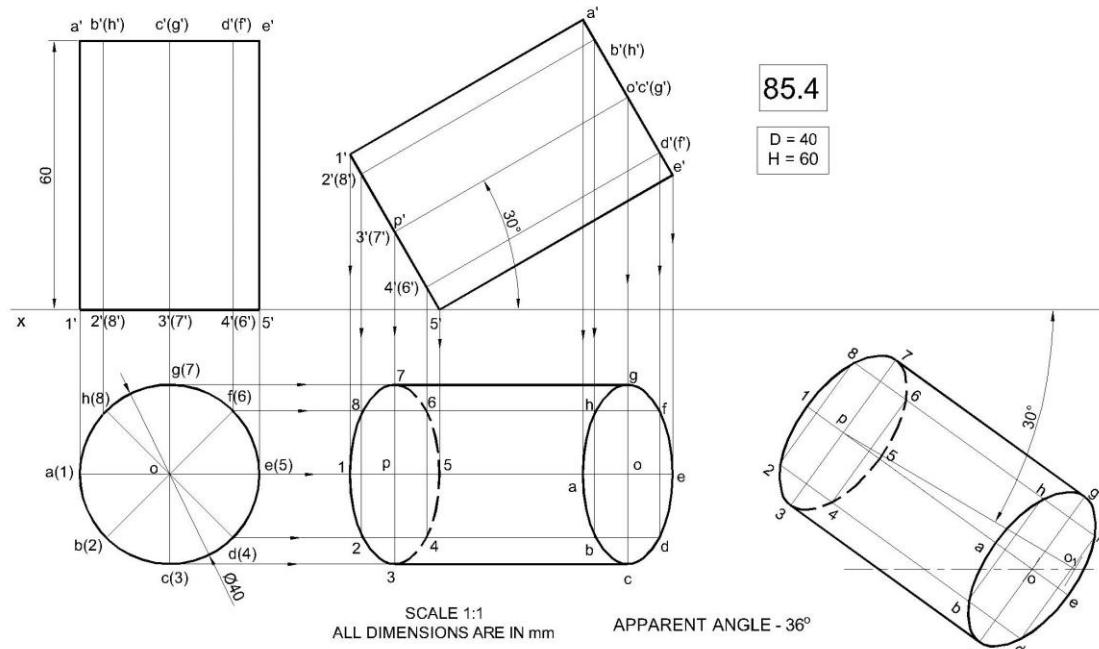


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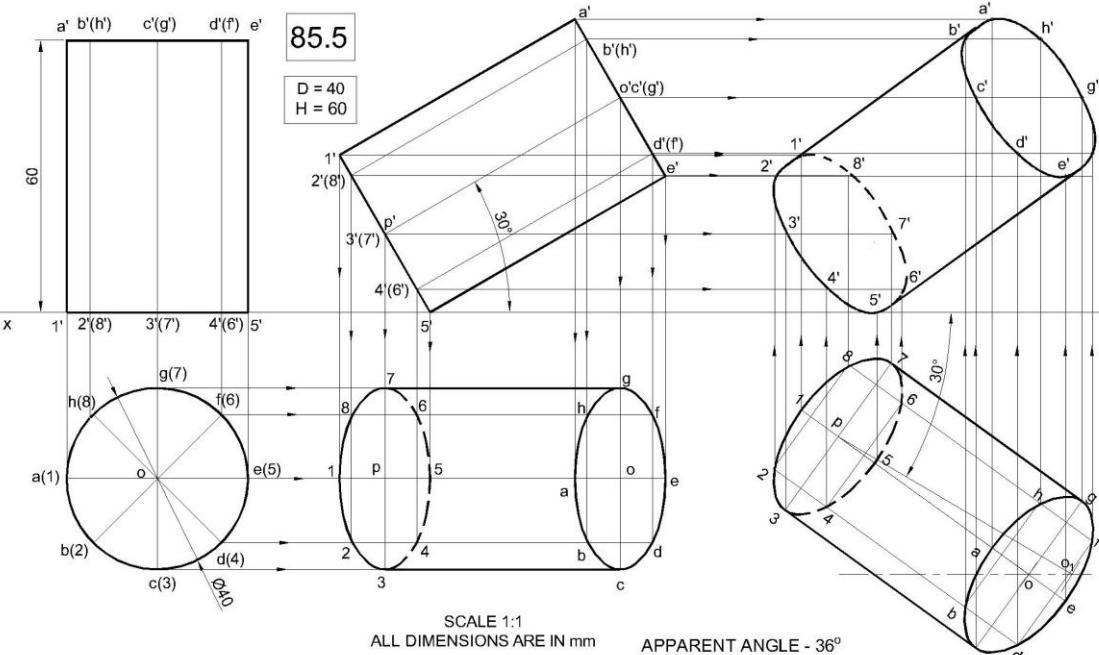
SUMESH 8848440142



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SUMESH 8848440142



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Q213**PROJECTION OF SOLIDS**

67

SQUARE PYRAMID ON TRIANGULAR FACE

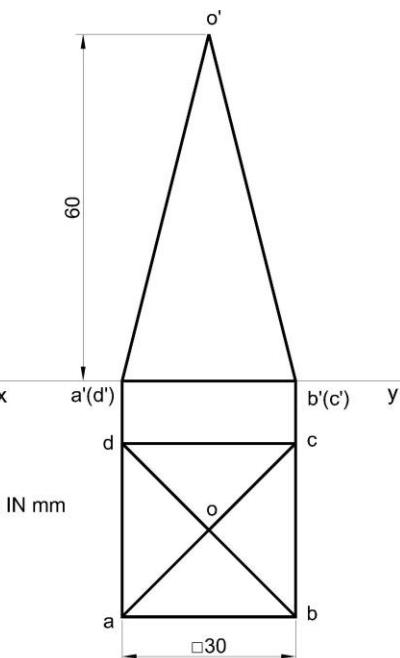
A square pyramid of base edge 30mm and height 60mm is resting on HP on its triangular face such that the square face edge on HP is inclined 30° to VP. Draw its projections.

SUMESH 8848440142

BASE EDGE - 30mm ; HEIGHT- 60mm; RESTING ON LATERAL FACE; RESTING BASE EDGE 30° TO VP

SUMESH 8848440142

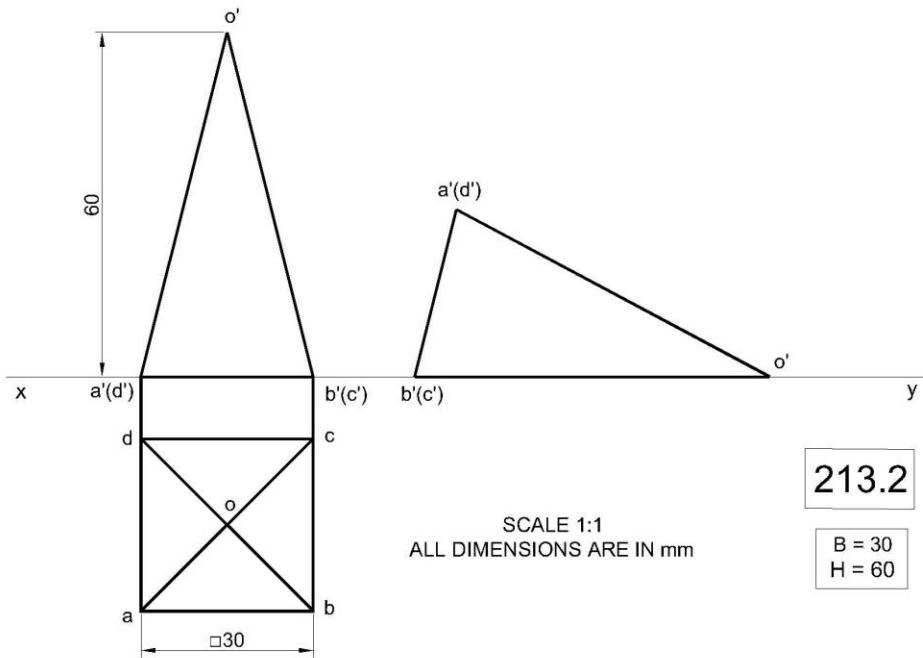
213.1

B = 30
H = 60SCALE 1:1
ALL DIMENSIONS ARE IN mm

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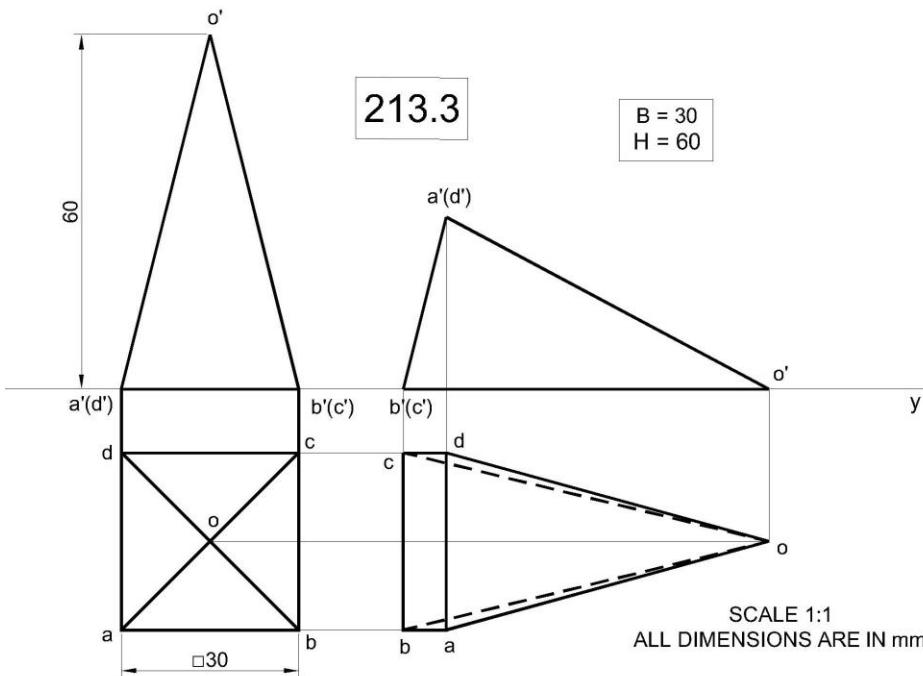


SUMESH 8848440142



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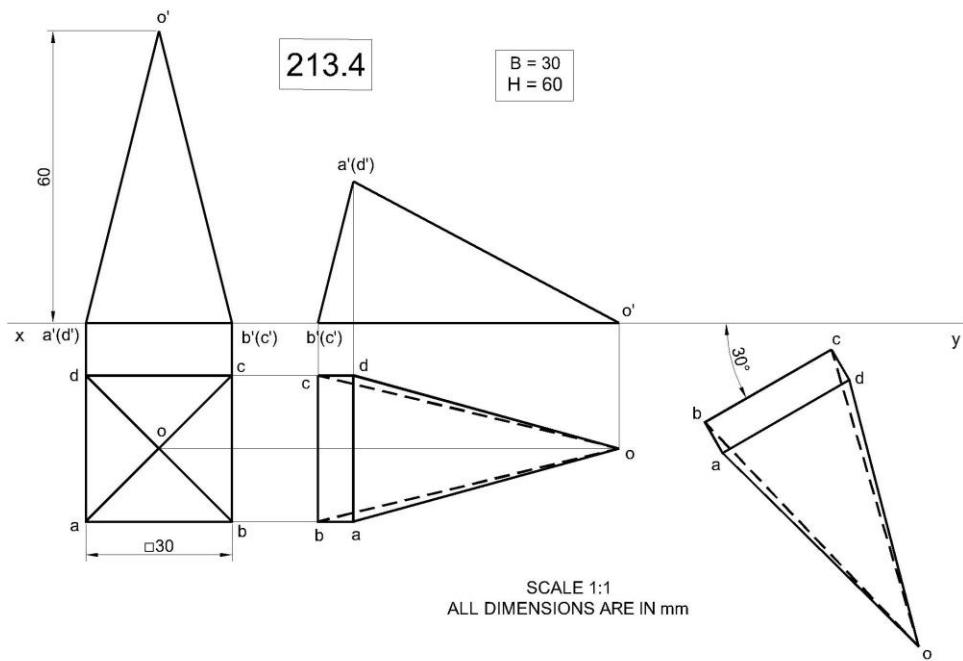
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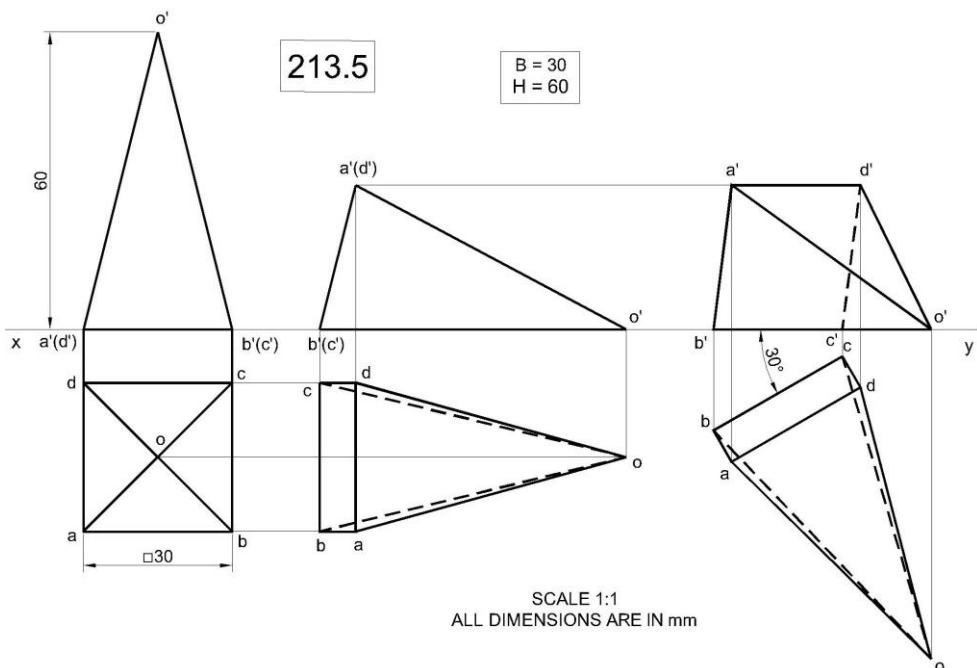


SUMESH 8848440142



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SUMESH 8848440142



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Q58**PROJECTION OF SOLIDS**

68

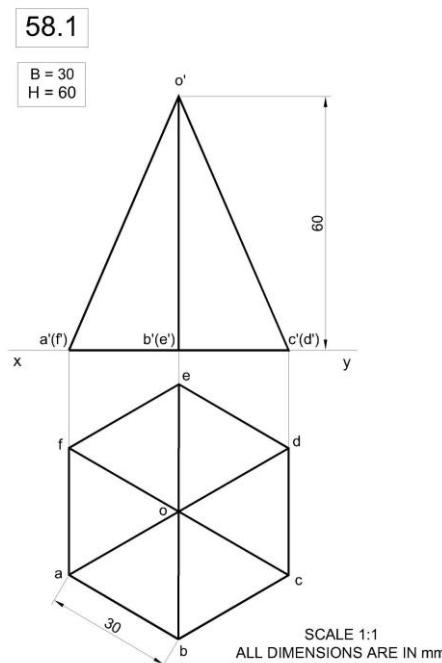
HEXAGONAL PYRAMID - LYING ON TRIANGULAR FACE ON HP

A hexagonal pyramid of base edge 30mm and height 60mm is lying on a triangular face on HP. The base edge of the resting triangular face is inclined 50° with VP. Draw the projections if the apex nearer to the observer.

SUMESH 8848440142

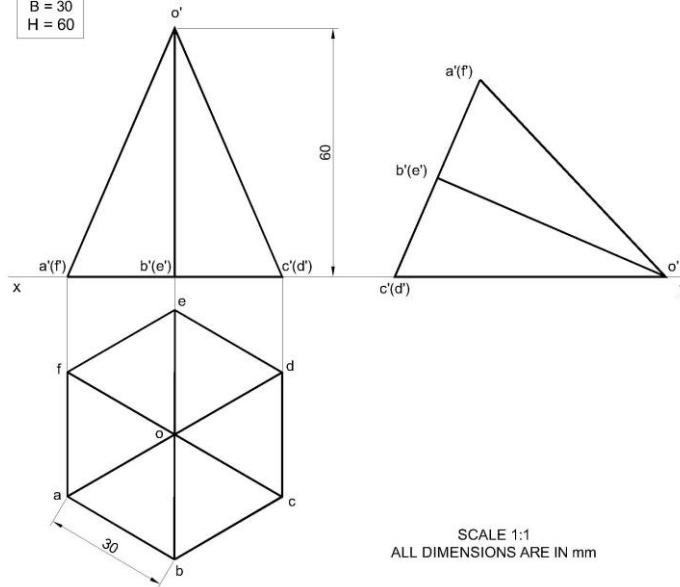
BASE EDGE- 30mm ; HEIGHT- 60mm; BASE EDGE 50° TO VP; LYING ON TRIANGULAR FACE ON HP

SUMESH 8848440142



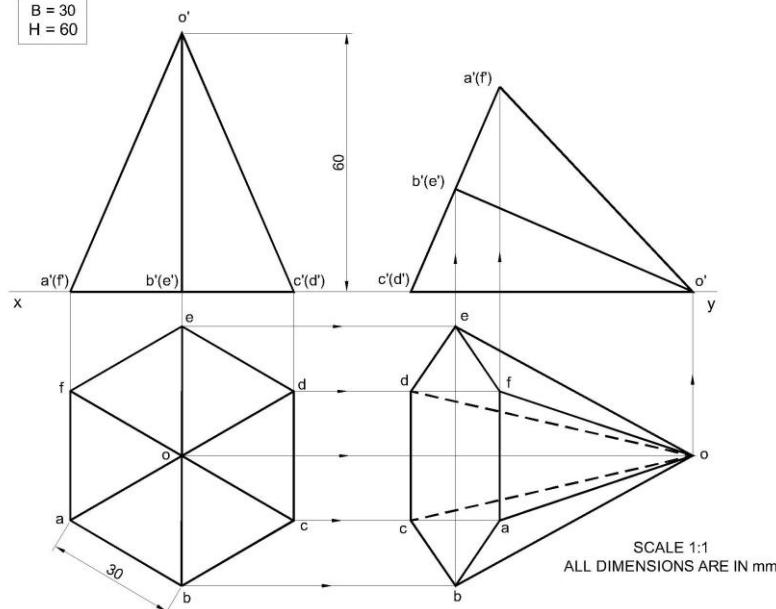
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58.2

B = 30
H = 60

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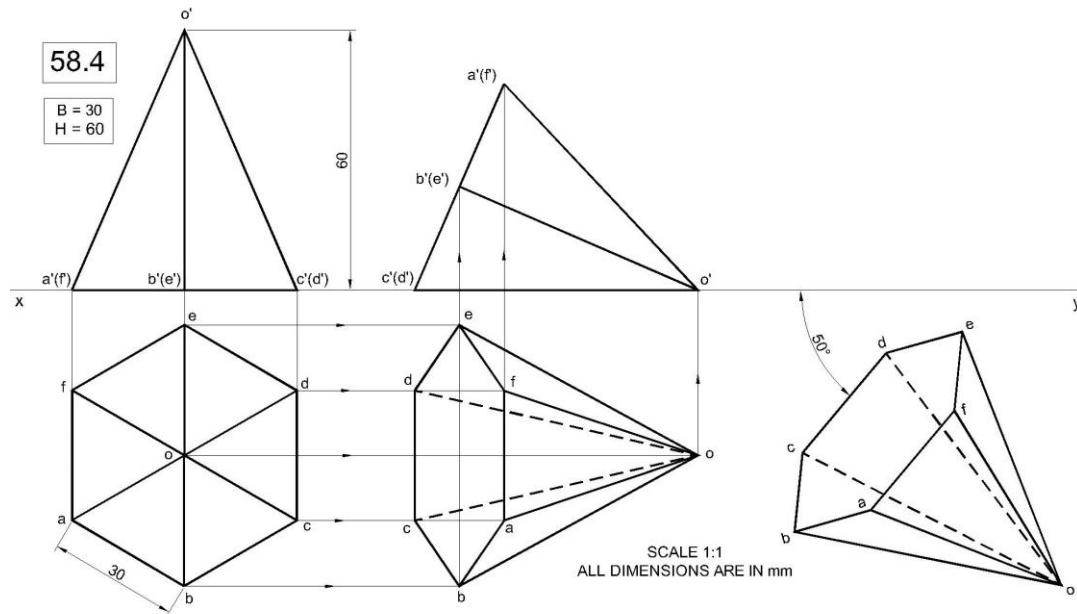
58.3

B = 30
H = 60

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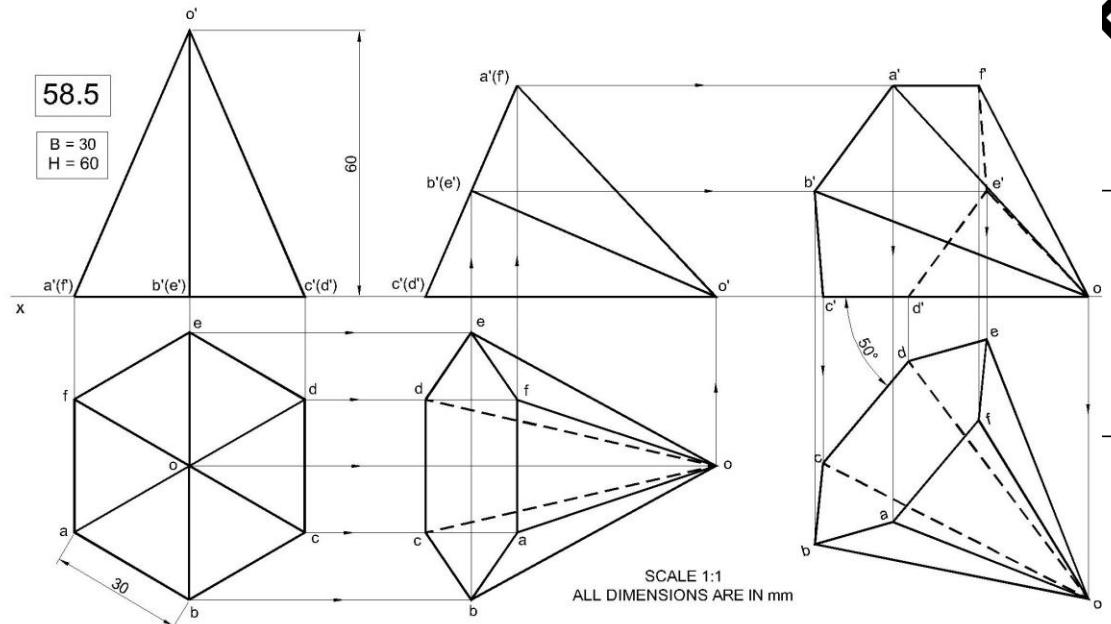


SUMESH 8848440142



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SUMESH 8848440142



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Q59**PROJECTION OF SOLIDS**

69

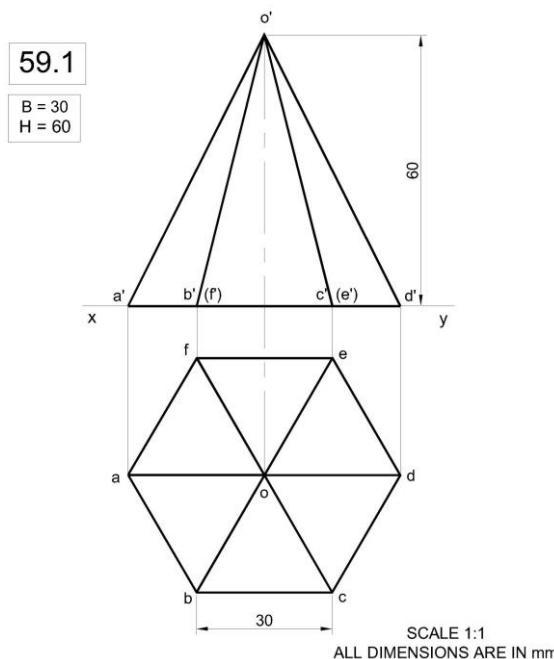
HEXAGONAL PYRAMID-LYING ON LATERAL EDGE ON HP

A hexagonal pyramid of base edge 30mm and height 60mm is resting on lateral edge on HP and the resting lateral edge is inclined 30° with VP. Draw the projections if the apex nearer to the observer.

SUMESH 8848440142

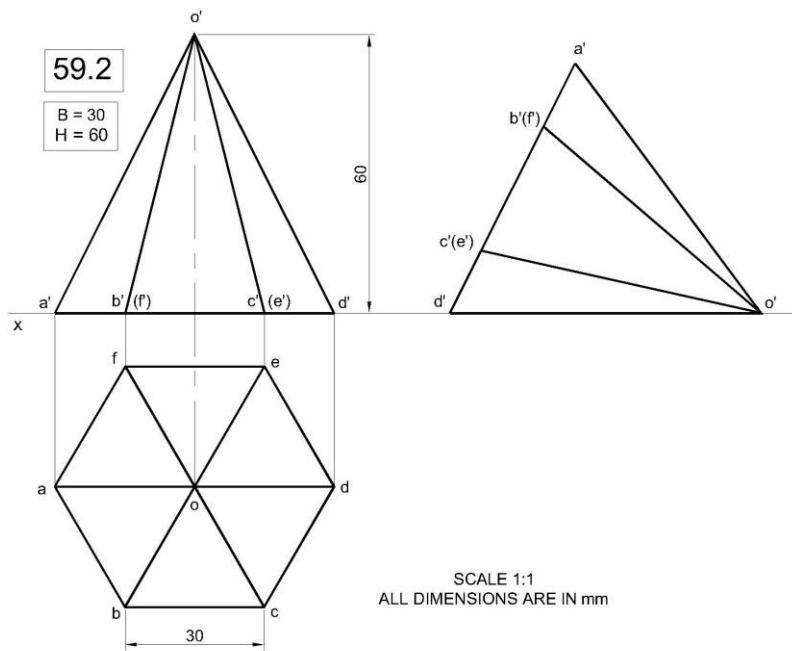
BASE 30mm ; HEIGHT- 60mm; LYING ON LATERAL EDGE ON HP; RESTINGLATERAL EDGE INCLINED 30° TO VP

SUMESH 8848440142



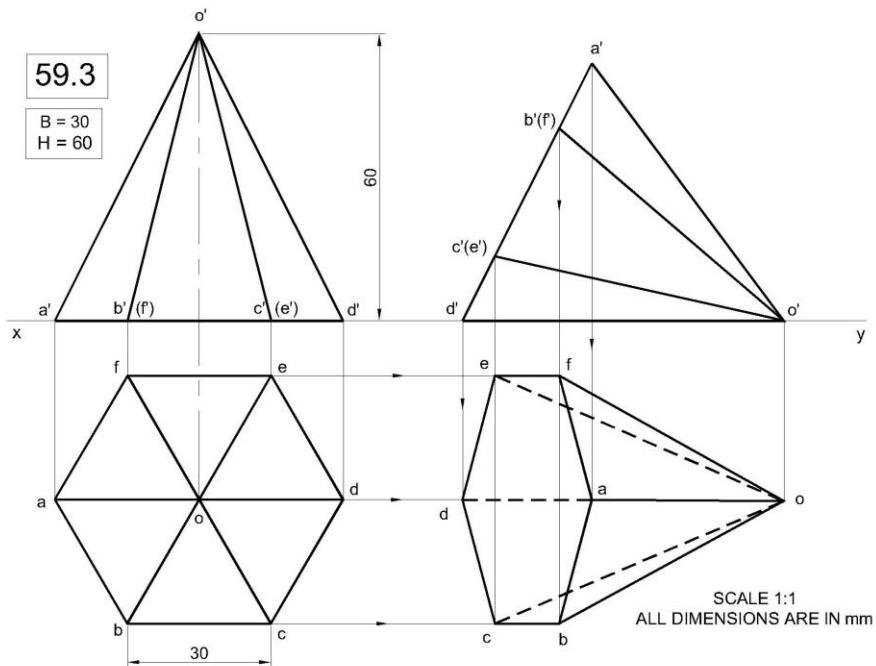
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SUMESH 8848440142

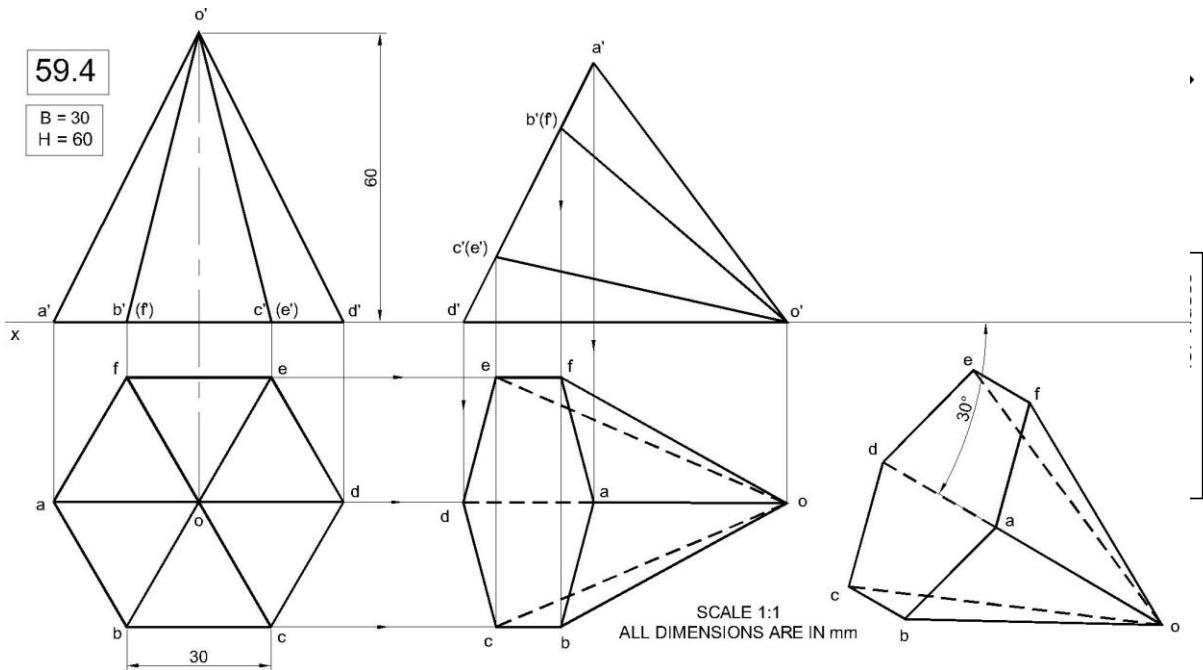


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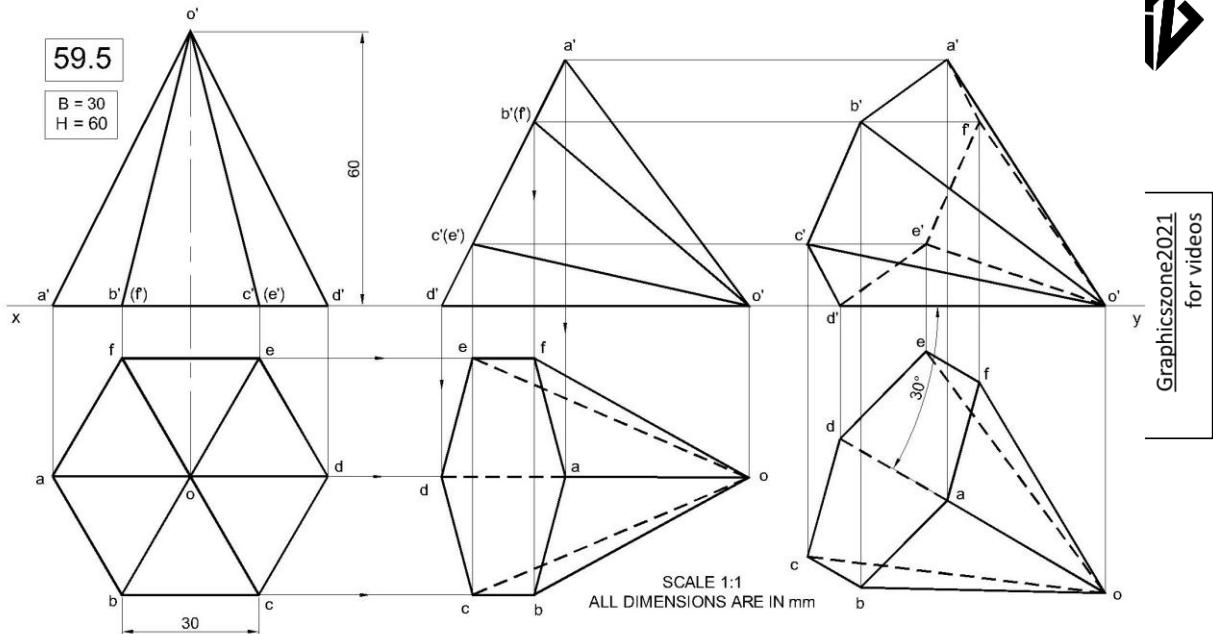
SUMESH 8848440142



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SUMESH 8848440142



Q71**PROJECTION OF SOLIDS**

70

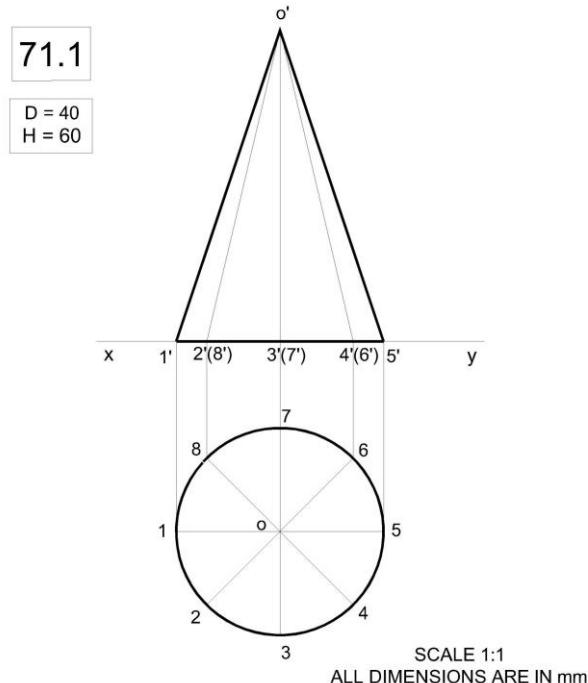
CONE - LYING ON GENERATOR ON HP - TOP VIEW INCLINED

A cone of diameter 40mm and height 60mm is lying on its generator on HP. The vertical plane containing the axis and the generator inclined 40° to VP (or top view inclined 40° to XY). The apex away from the observer. Draw the projections.

SUMESH 8848440142

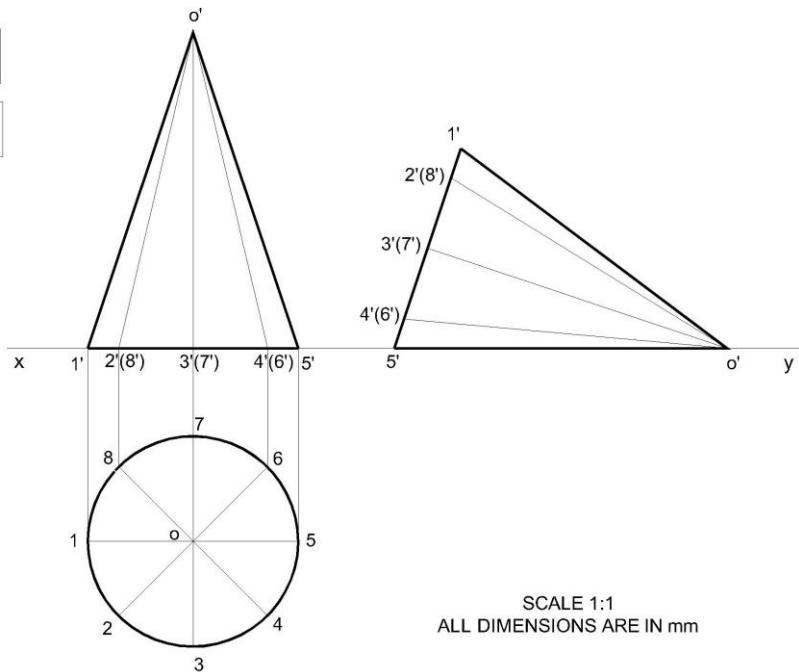
BASE DIA- 40mm ; HEIGHT- 60mm; VERTICAL PLANE AXIS 40° TO VP ; LYING ON GENERATOR ON HP

SUMESH 8848440142



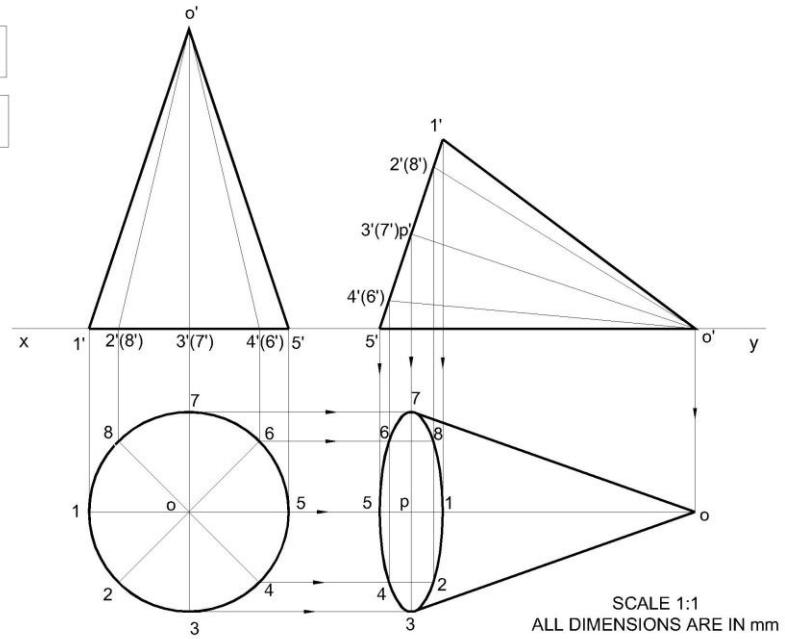
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71.2

D = 40
H = 60

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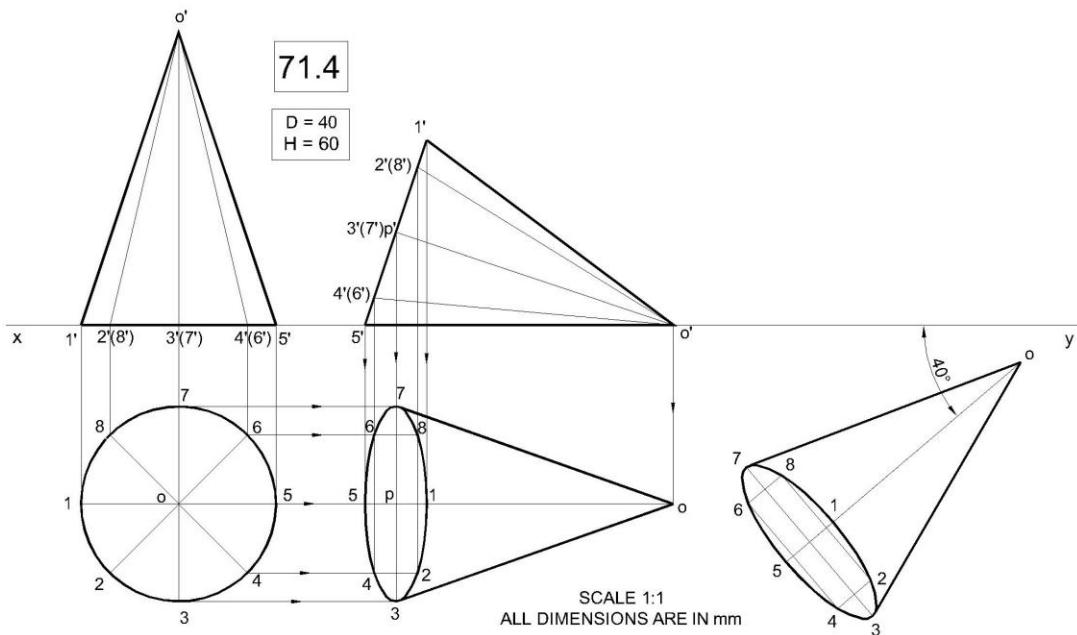
71.3

D = 40
H = 60

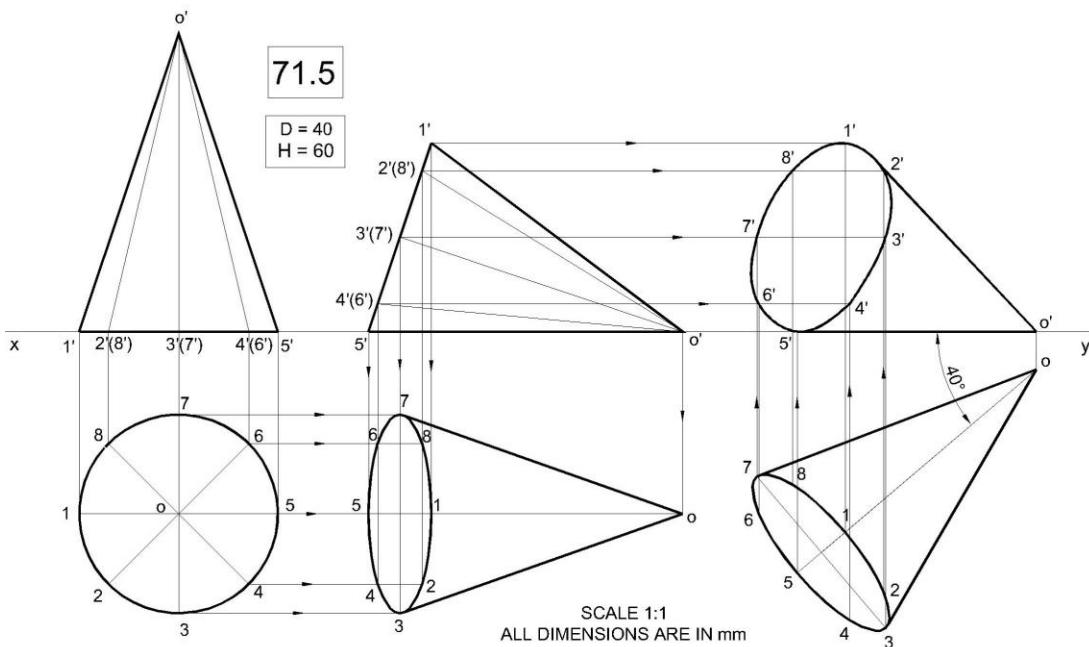
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SUMESH 8848440142



Q72**PROJECTION OF SOLIDS**

71

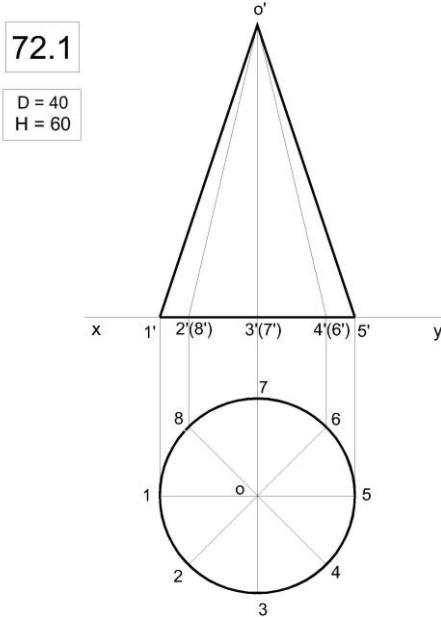
CONE - LYING ON GENERATOR ON HP - AXIS INCLINED TO VP (LOCUS PROBLEM)

A cone of diameter 40mm and height 60mm is lying on its generator on HP with the axis inclined 40° to VP. The apex nearer to the observer. Draw the projections.

SUMESH 8848440142

BASE DIA- 40mm ; HEIGHT- 60mm; AXIS 40° TO VP ; LYING ON GENERATOR ON HP

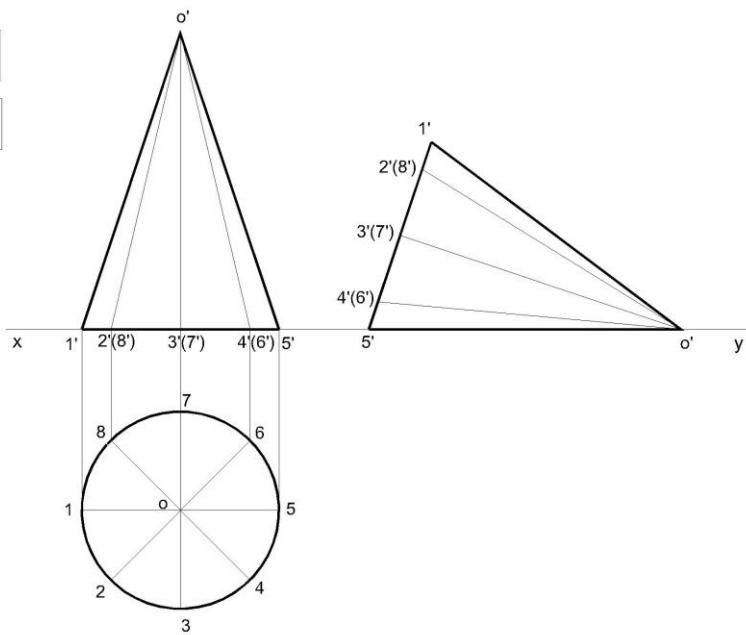
SUMESH 8848440142



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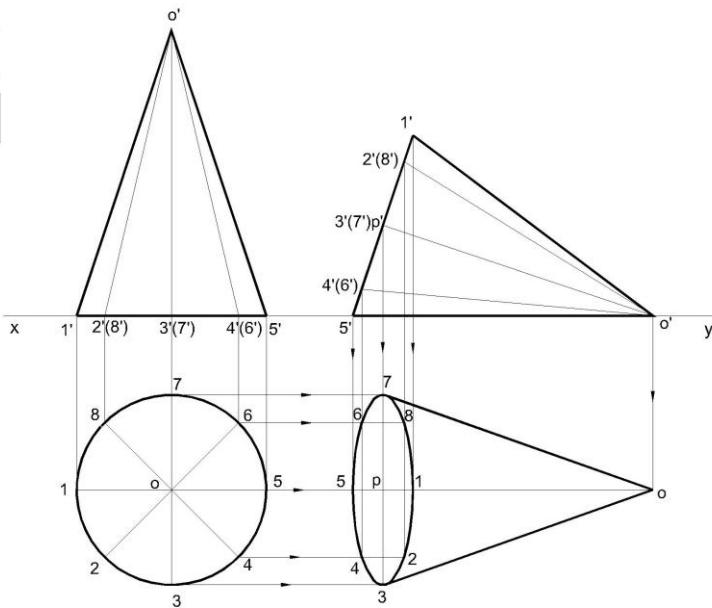


72.2

D = 40
H = 60

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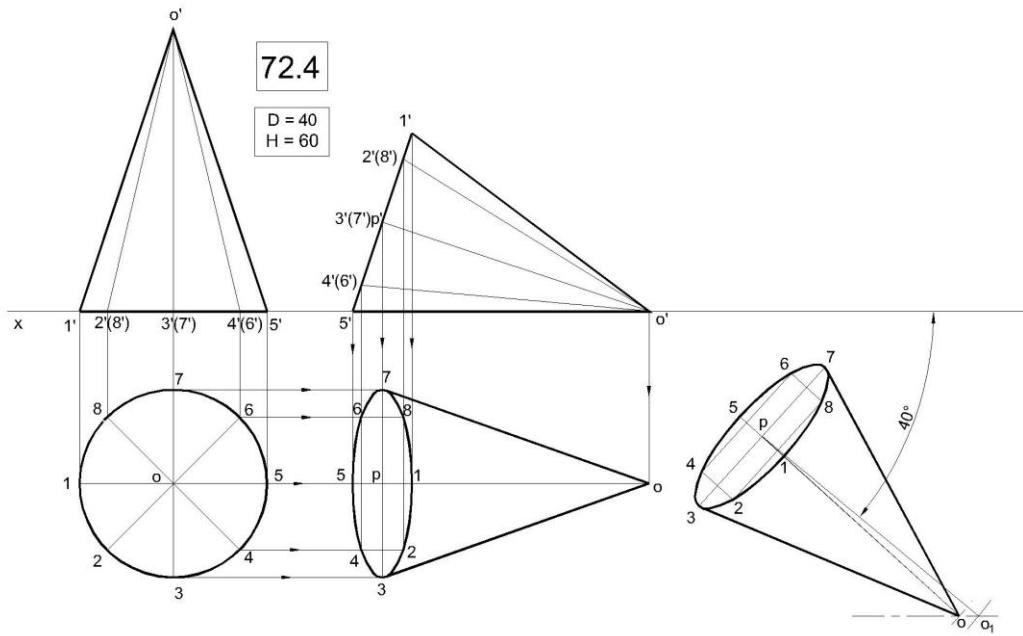
72.3

D = 40
H = 60

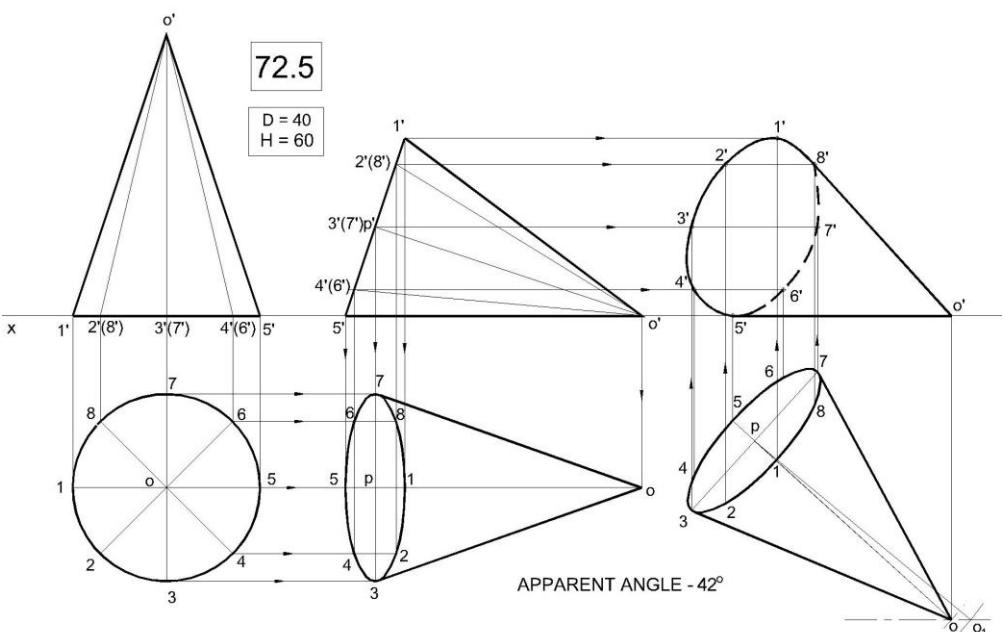
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SUMESH 8848440142



SUMESH 8848440142



Q73**PROJECTION OF SOLIDS**

72

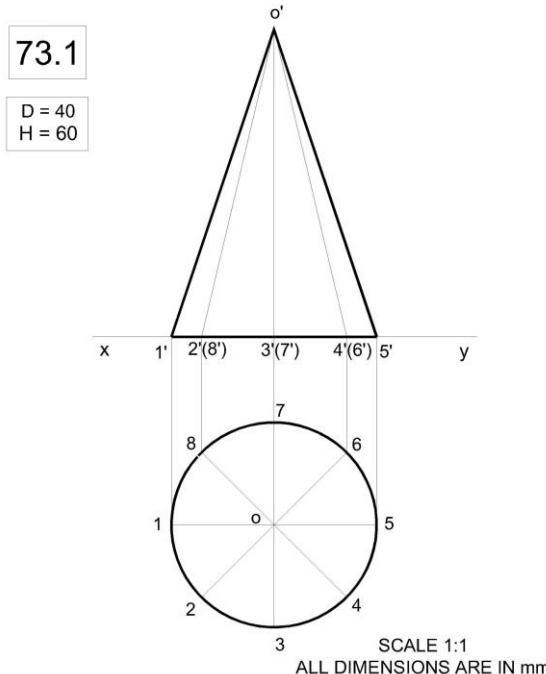
CONE - LYING ON GENERATOR ON HP - AXIS ON PP

A cone of base diameter 40mm and height 60mm rests on one of its generator on HP. In this position the axis lies in a plane perpendicular to both HP and VP. (Axis on profile plane). If the base is visible on front view and the apex touching VP, Draw the projections.

SUMESH 8848440142

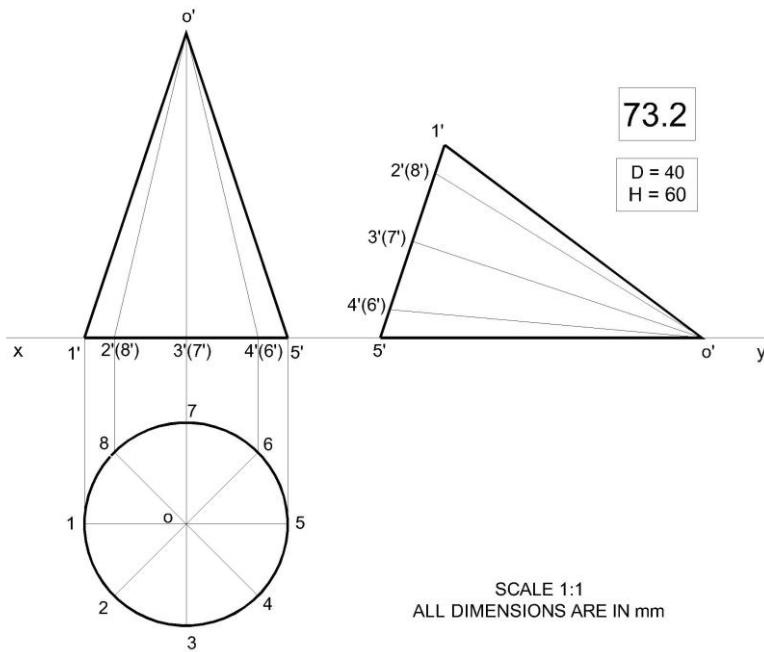
BASE DIA- 40mm ; HEIGHT- 60mm; AXIS ON PP; LYING ON GENERATOR ON HP

SUMESH 8848440142



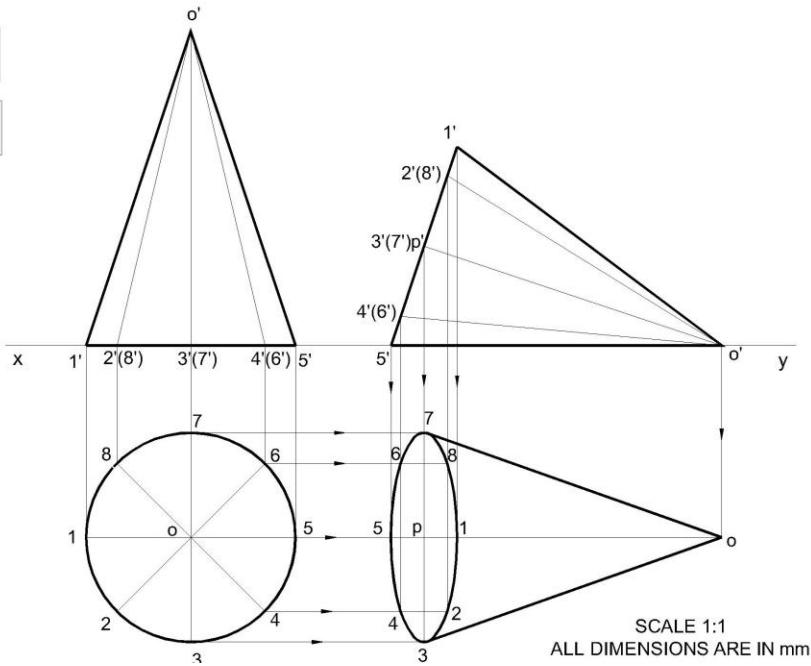
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SUMESH 8848440142



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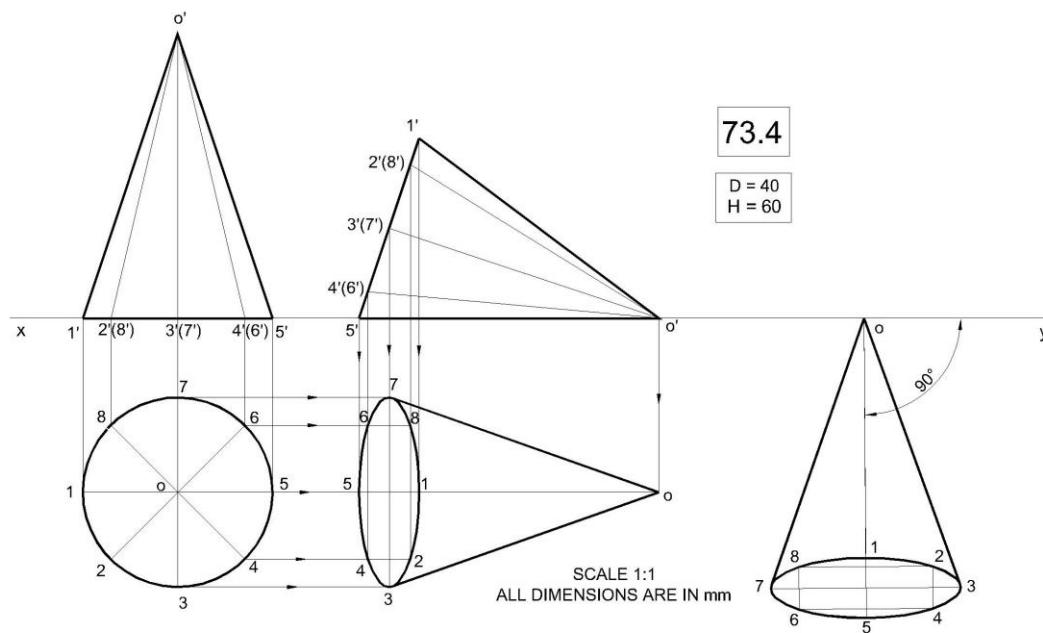
SUMESH 8848440142



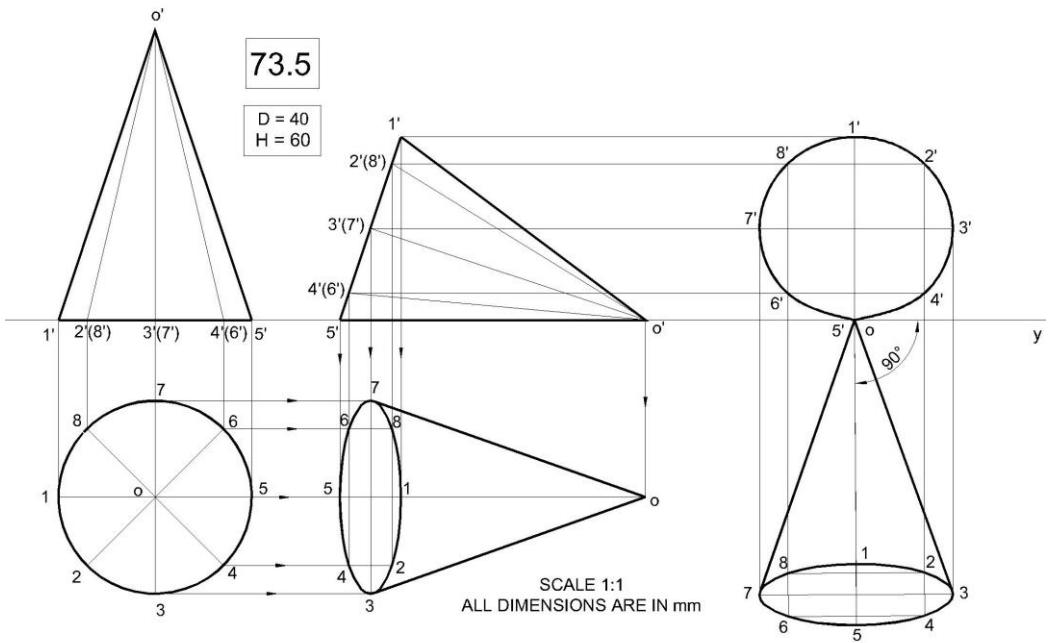
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SUMESH 8848440142



SUMESH 8848440142



Q75**PROJECTION OF SOLIDS**

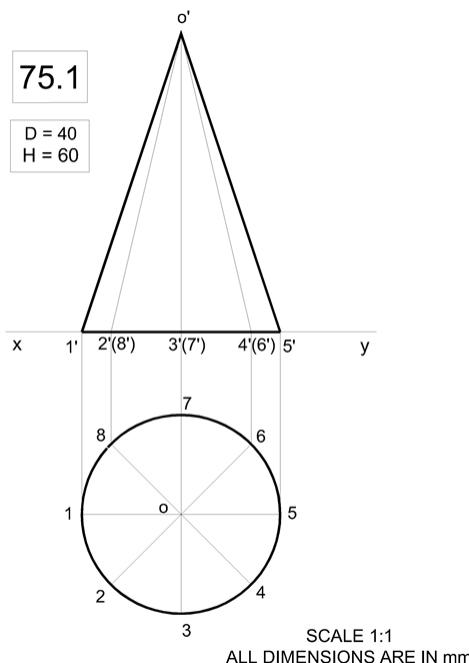
73

CONE - LYING ON GENERATOR ON VP - BASE TOUCHES & INCLINED TO HP

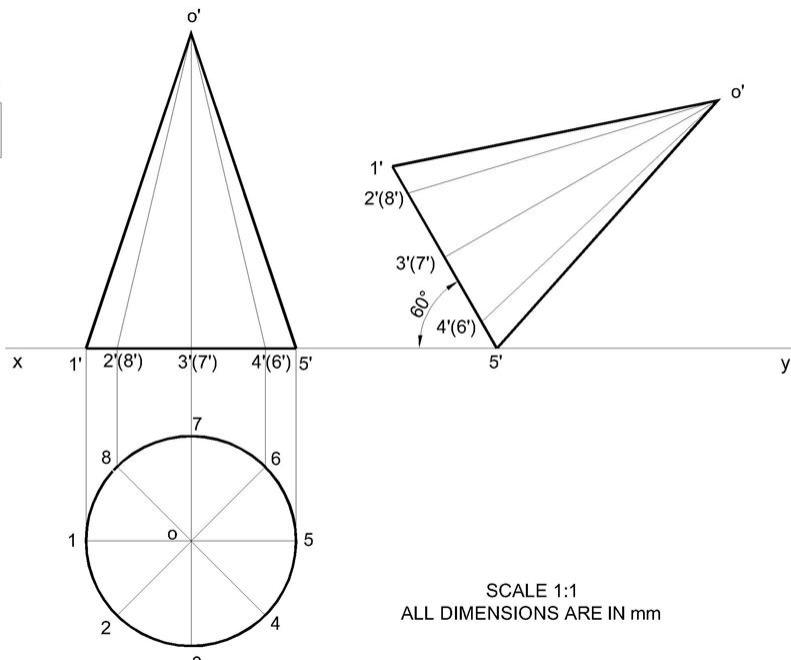
A cone of diameter 40mm and height 60mm is lying on its generator on VP with the base at 60° to the HP and a point on base circle on HP. Draw the projections.

SUMESH 8848440142

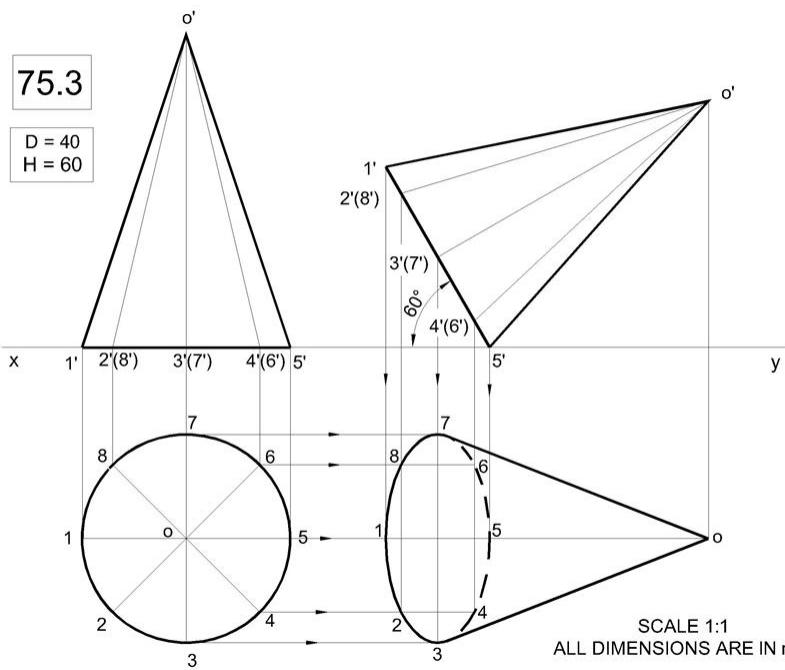
BASE DIA- 40mm ; HEIGHT- 60mm; BASE 60° TO HP ; LYING ON GENERATOR ON VP

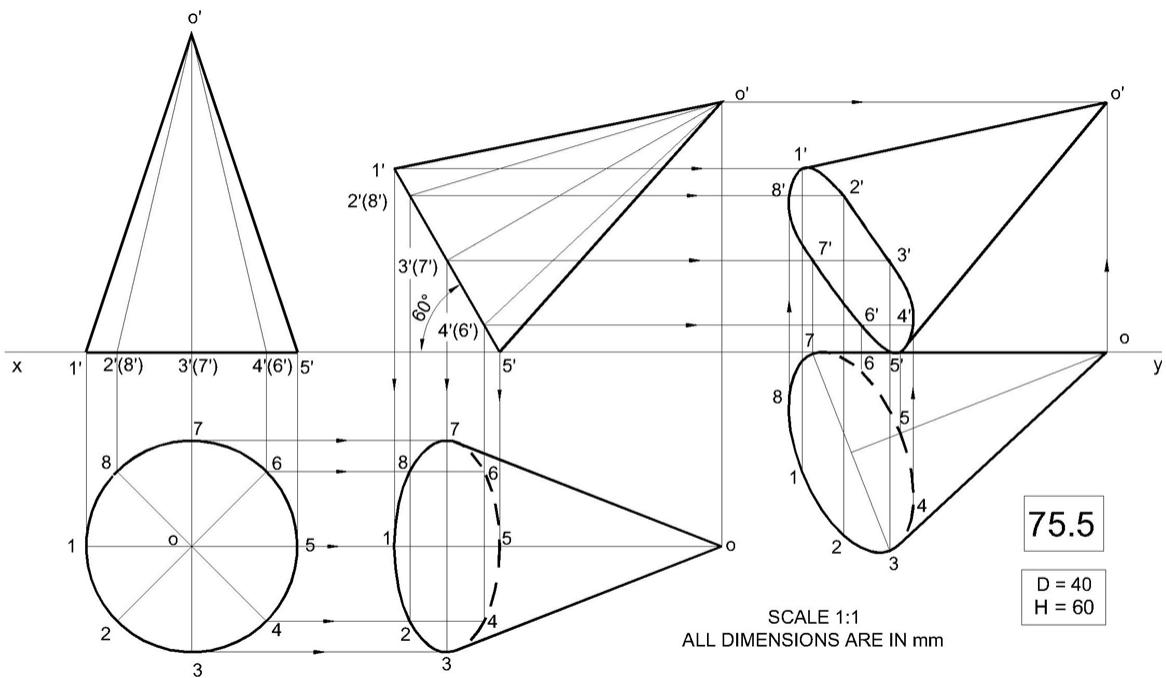
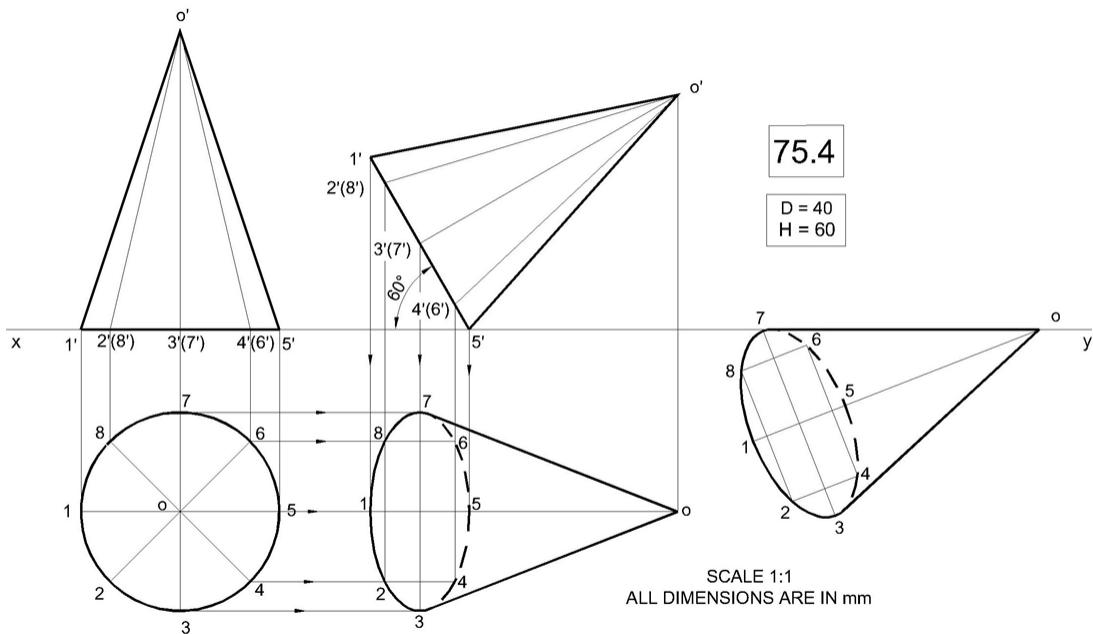


75.2

D = 40
H = 60SCALE 1:1
ALL DIMENSIONS ARE IN mm

75.3

D = 40
H = 60SCALE 1:1
ALL DIMENSIONS ARE IN mm



Q60**PROJECTION OF SOLIDS**

74

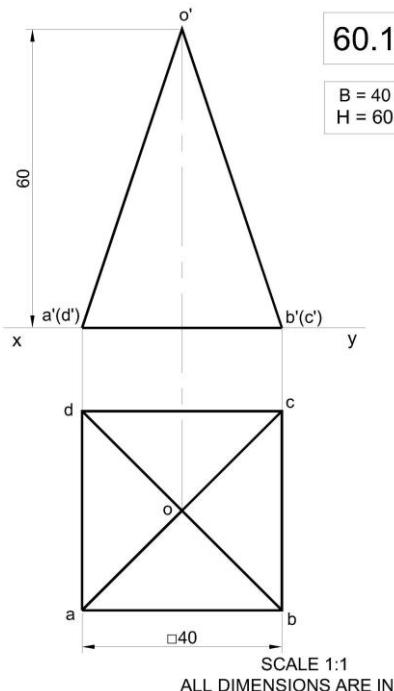
SQUARE PYRAMID -TRIANGULAR FACE PARALLEL TO VP- BASE VISIBLE

A square pyramid of base edge 40mm and height 60mm is on base edge on HP. The triangular face containing the resting base edge is parallel to VP and the base is visible on the front view. Draw the projections.

SUMESH 8848440142

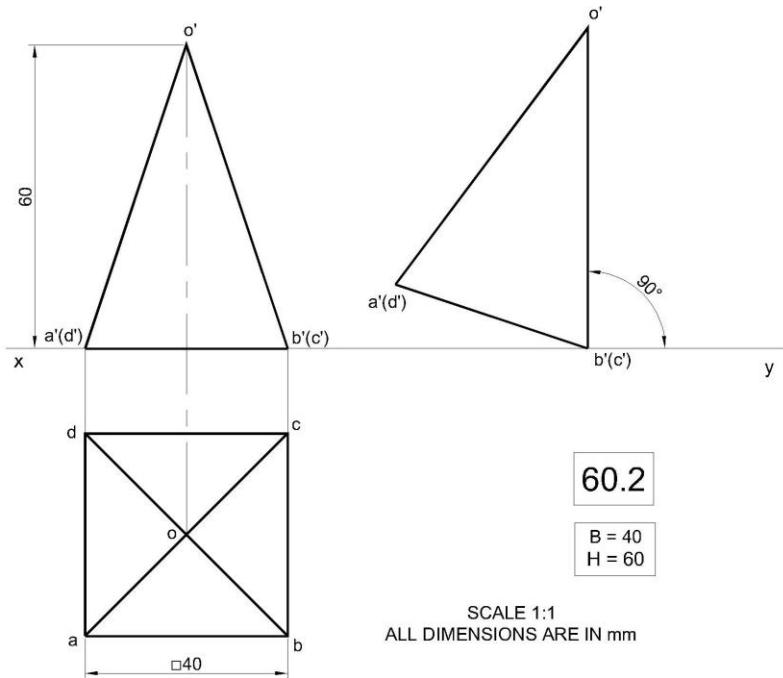
BASE - 40mm ; H- 60mm; RESTING ON BASE EDGE; TRIANGULAR FACE PARALLEL TO VP ; BASE VISIBLE

SUMESH 8848440142



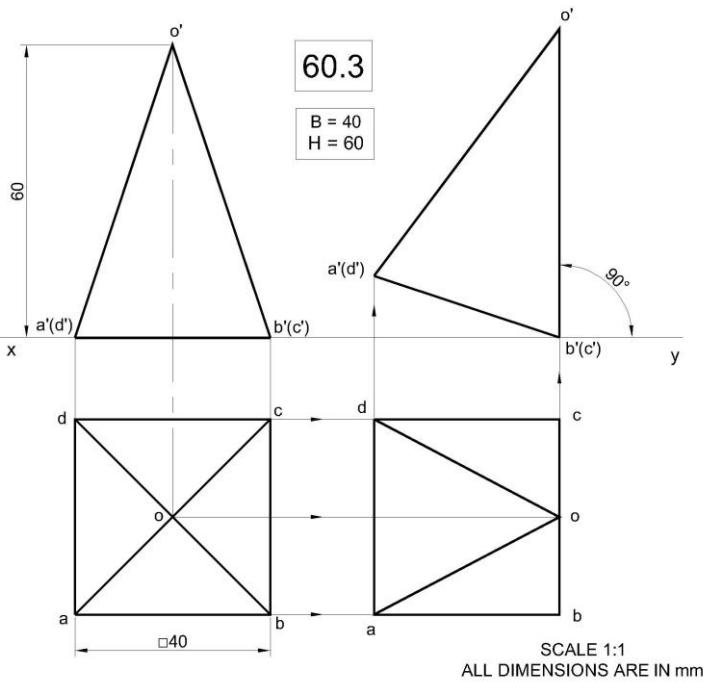
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SUMESH 8848440142



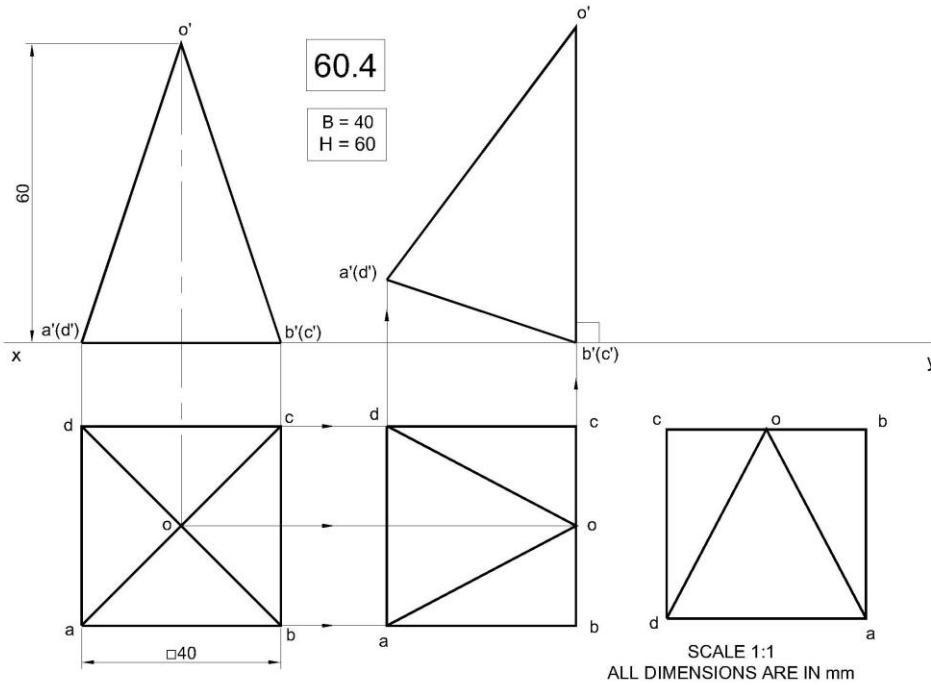
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SUMESH 8848440142



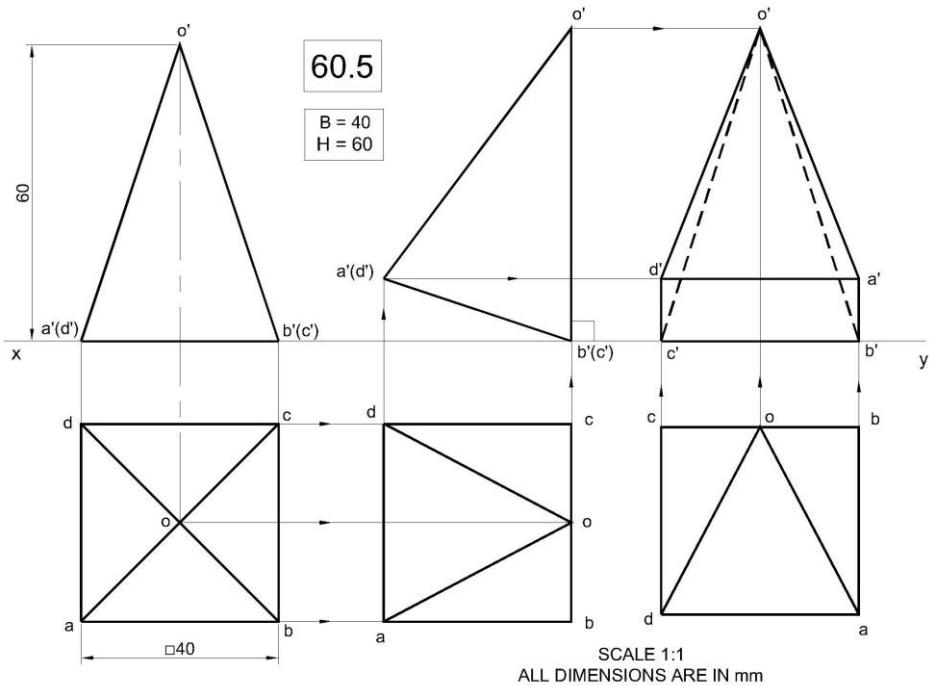
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SUMESH 8848440142



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SUMESH 8848440142



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Q197**PROJECTION OF SOLIDS**

75

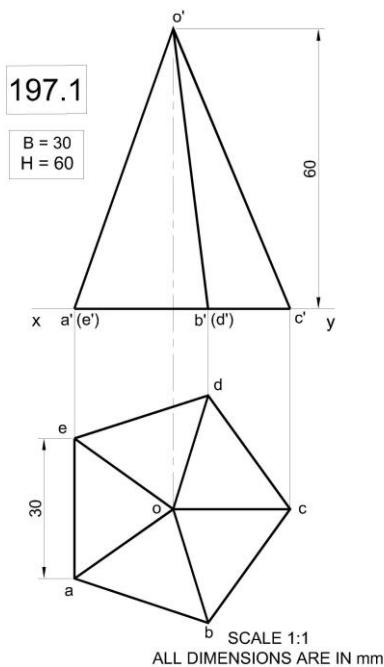
PENTAGONAL PYRAMID - TRIANGULAR FACE PARALLEL TO VP

A pentagonal pyramid of edge of base 30mm and height 60mm is rests with one of its base edges on HP such that the face containing that base edge is perpendicular to HP. The base edge on which it rest is parallel to VP and nearer to it. Draw the projection

SUMESH 8848440142

BASE - 30mm ; HEIGHT- 60mm; RESTING ON BASE EDGE ON HP; RESTING BASE EDGE PARALLEL TO VP

SUMESH 8848440142

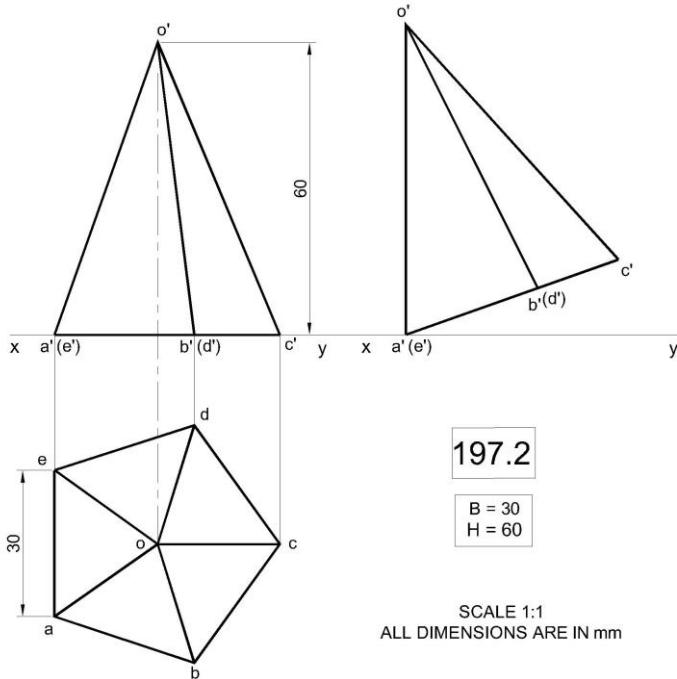


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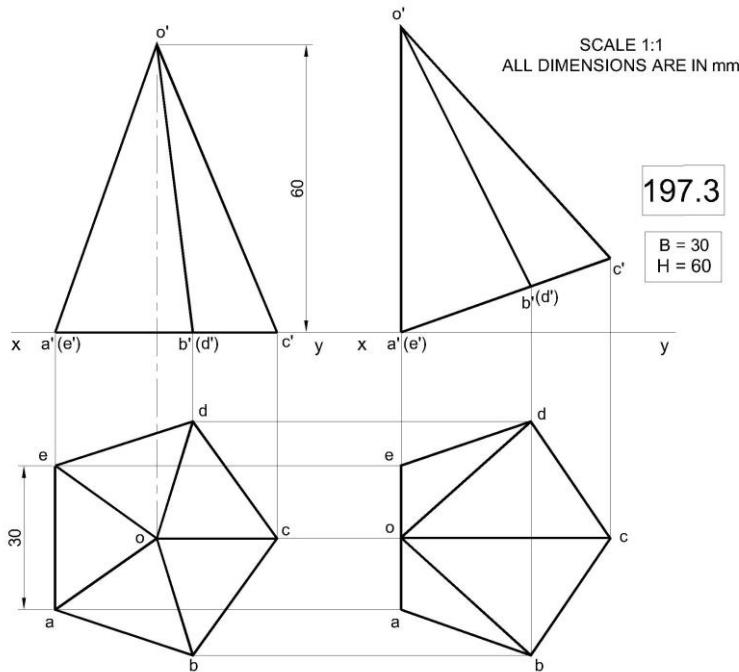
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SUMESH 8848440142



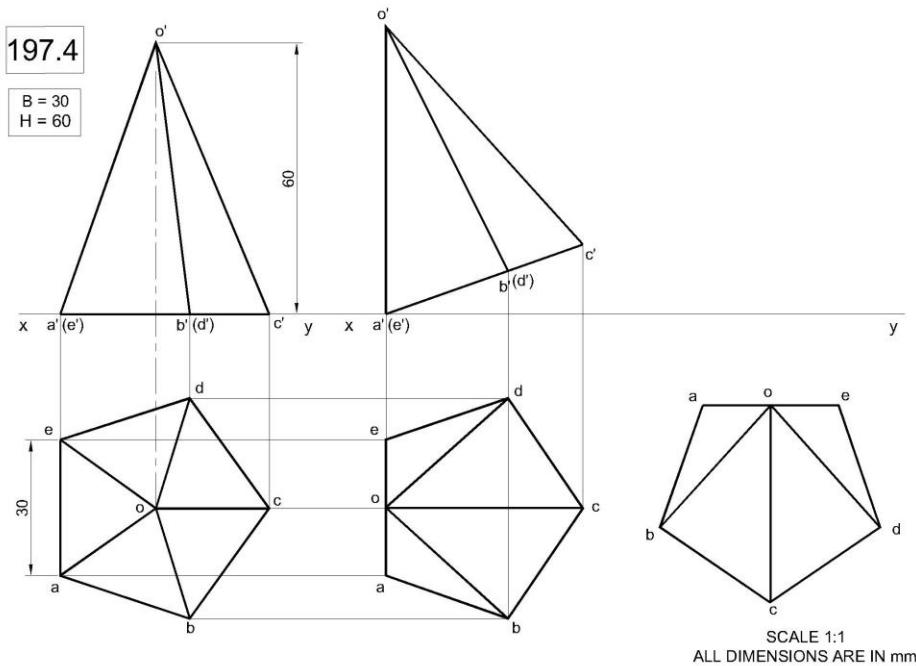
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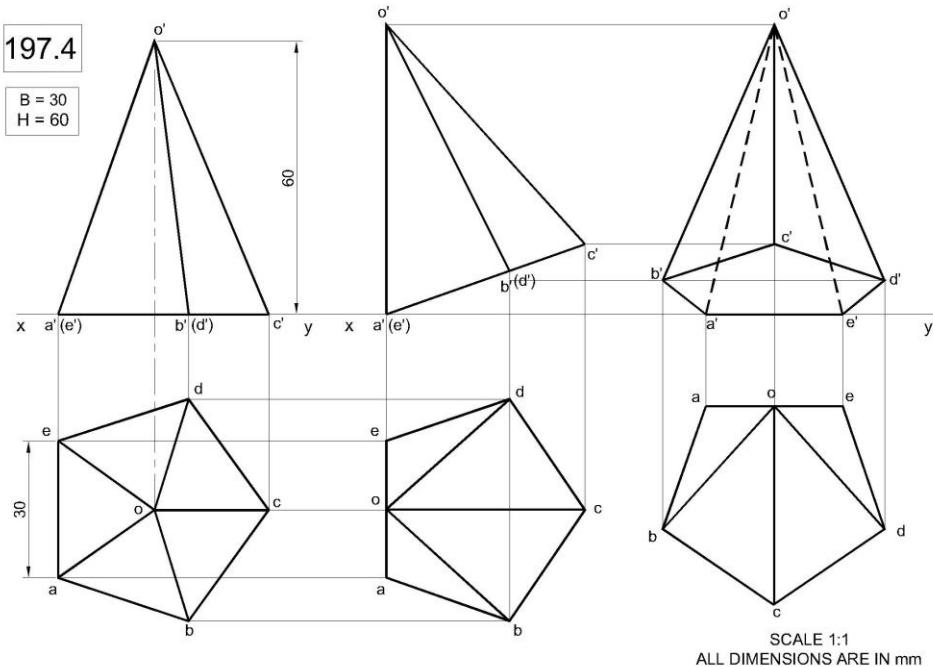


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Q61**PROJECTION OF SOLIDS**

76

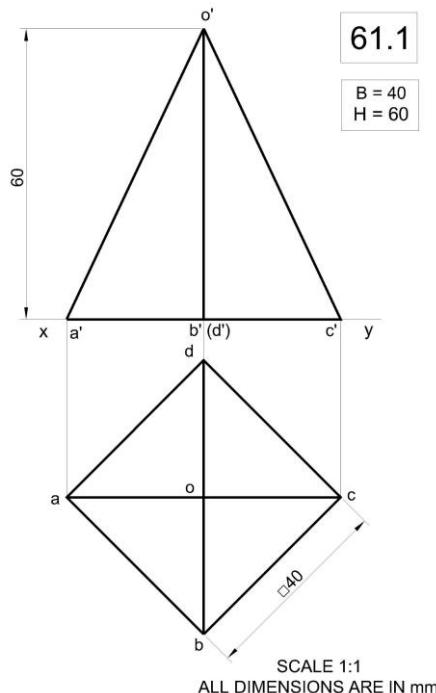
SQUARE PYRAMID -LATERAL EDGE \perp TO HP; BASE VISIBLE

A square pyramid of base edge 40mm and height 60mm is on base corner on HP. The lateral edge containing the resting corner is perpendicular to HP and the faces containing the lateral edge is equally inclined to VP. base is visible on the front view. Draw the projections.

SUMESH 8848440142

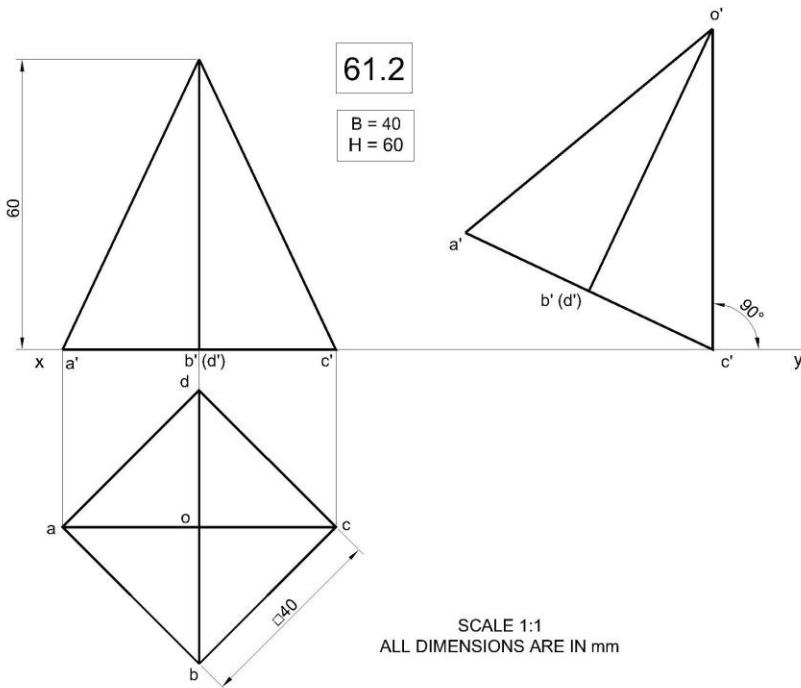
BASE - 40mm ; H- 60mm; LATERAL EDGE PERPENDICULAR TO HP ; BASE VISIBLE

SUMESH 8848440142



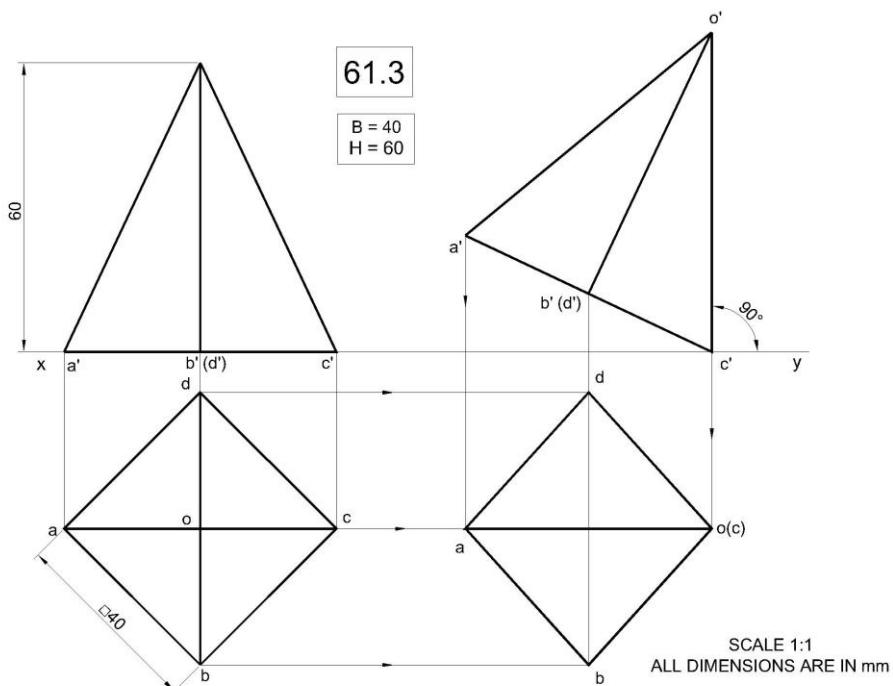
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SUMESH 8848440142



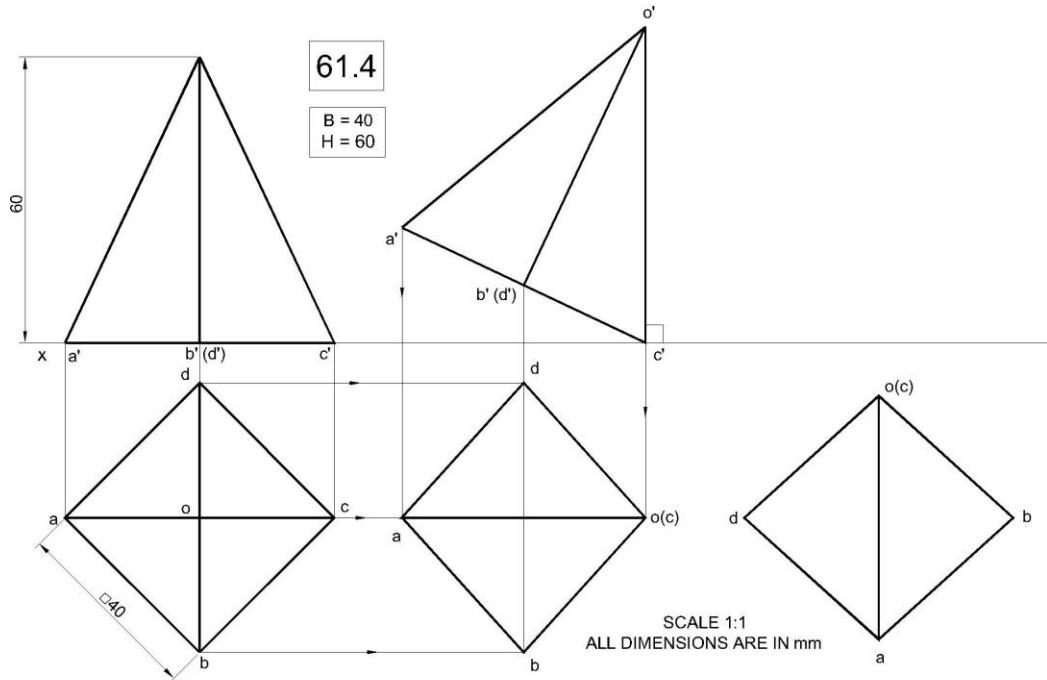
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SUMESH 8848440142

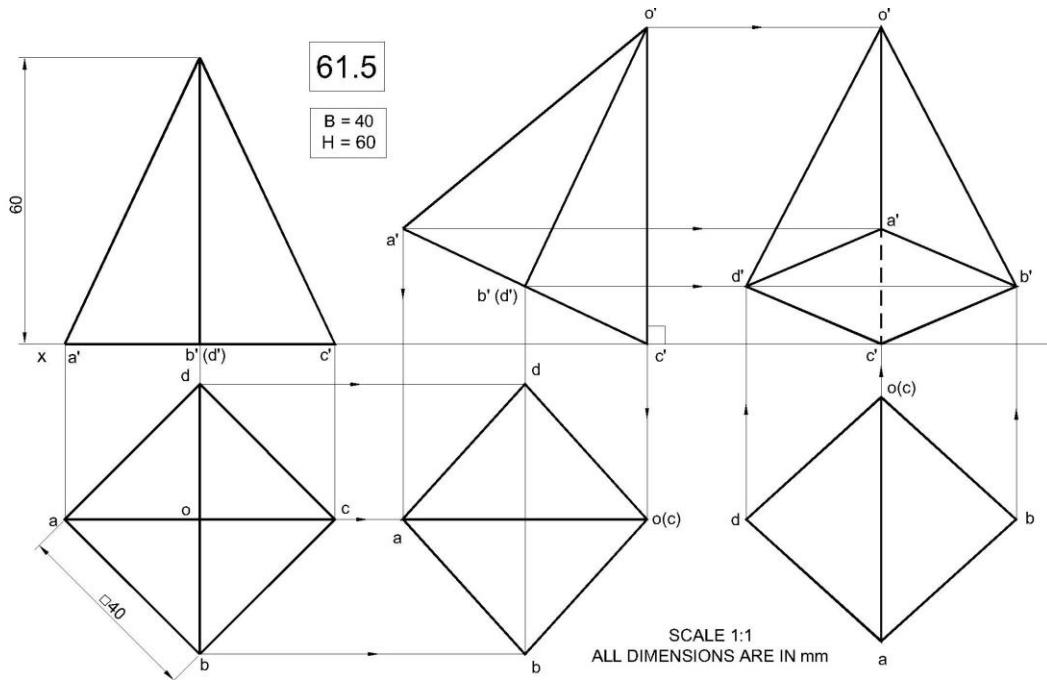


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SUMESH 8848440142



SUMESH 8848440142



Q62**PROJECTION OF SOLIDS**

77

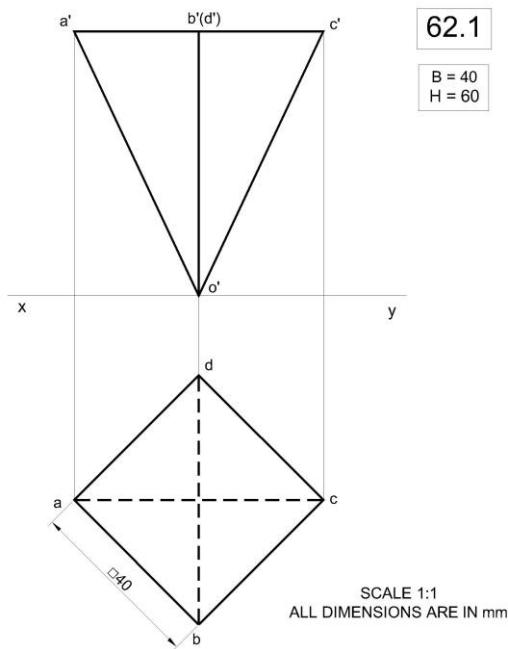
SQUARE PYRAMID – RESTING ON APEX ON HP – VERTICAL SLANT EDGE

A square pyramid of base 40mm and height of 60mm is resting on HP on its apex in such a way that one of its slant edge is vertical and the triangular face containing that slant edge is perpendicular to VP. Draw its projections when the base is visible on front view.

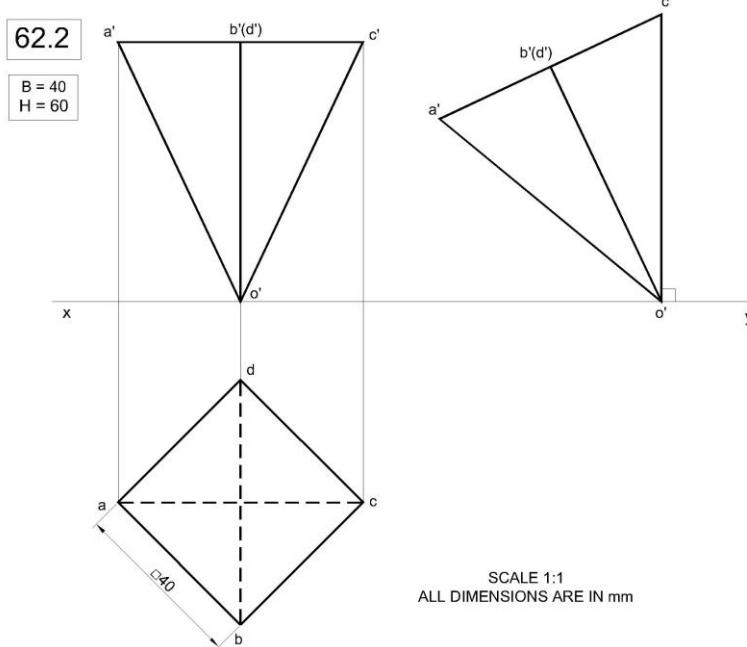
SUMESH 8848440142

BASE EDGE - 40mm ; HEIGHT -60mm ; VERTICAL SLANT EDGE – RESTING ON APEX

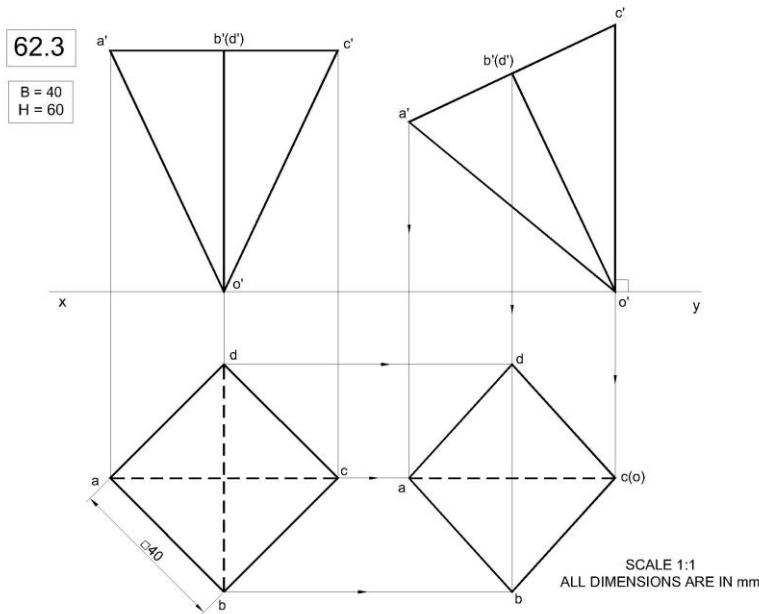
SUMESH 8848440142



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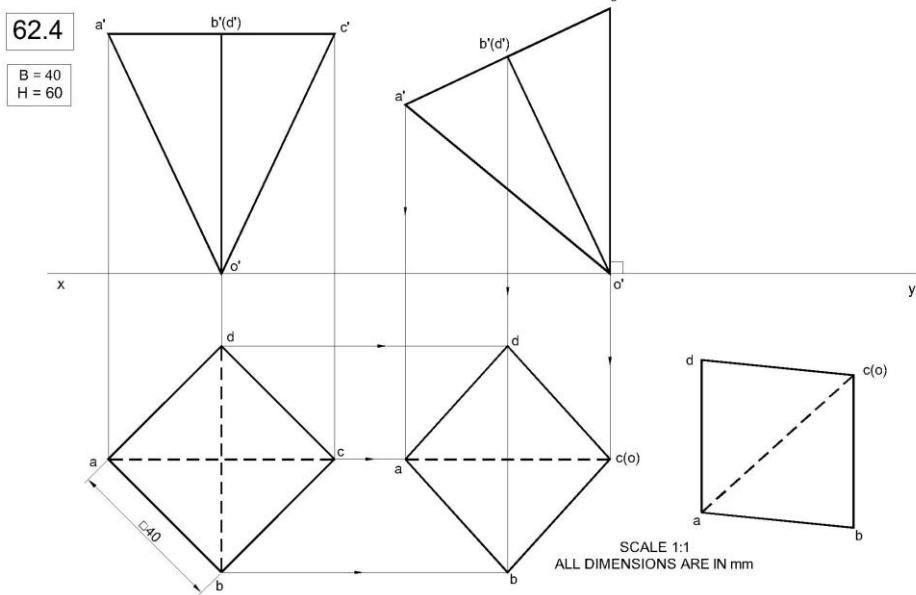


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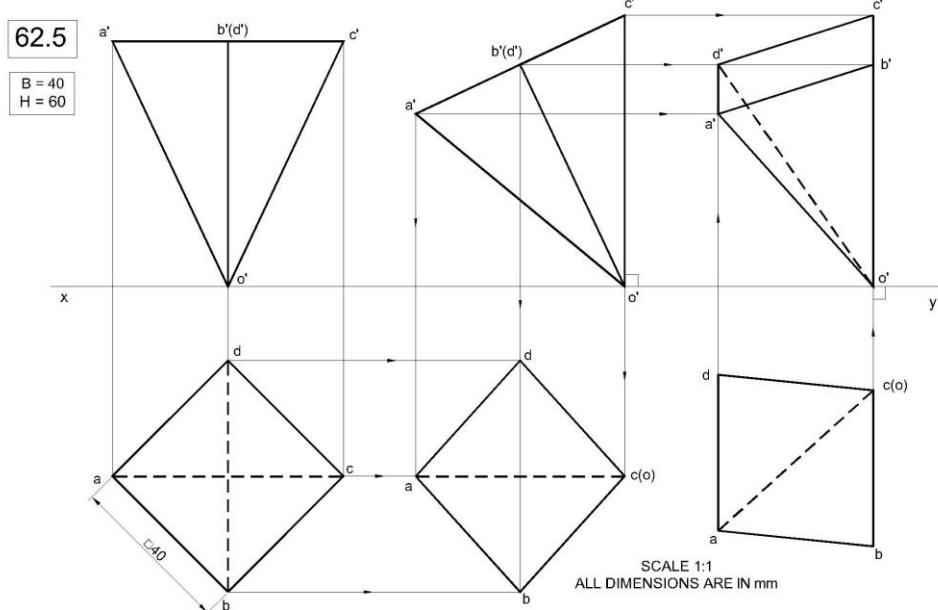
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SUMESH 8848440142



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Q82**PROJECTION OF SOLIDS**

78

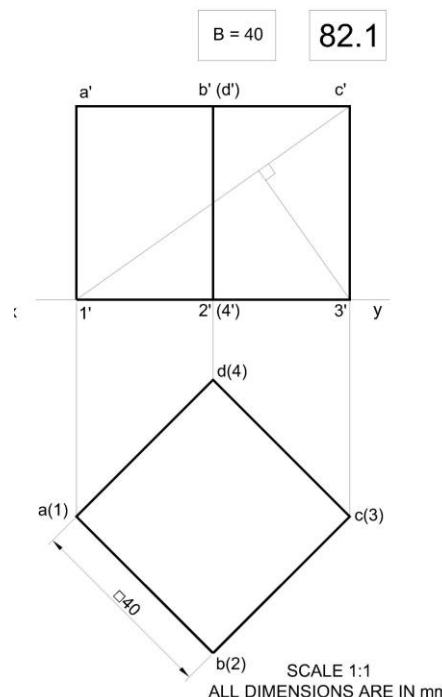
CUBE - BODY DIAGONAL PERPENDICULAR TO VP

Draw the projections of a cube of 40mm edge resting on one of its corners on HP when the body diagonal of the cube is perpendicular to VP.

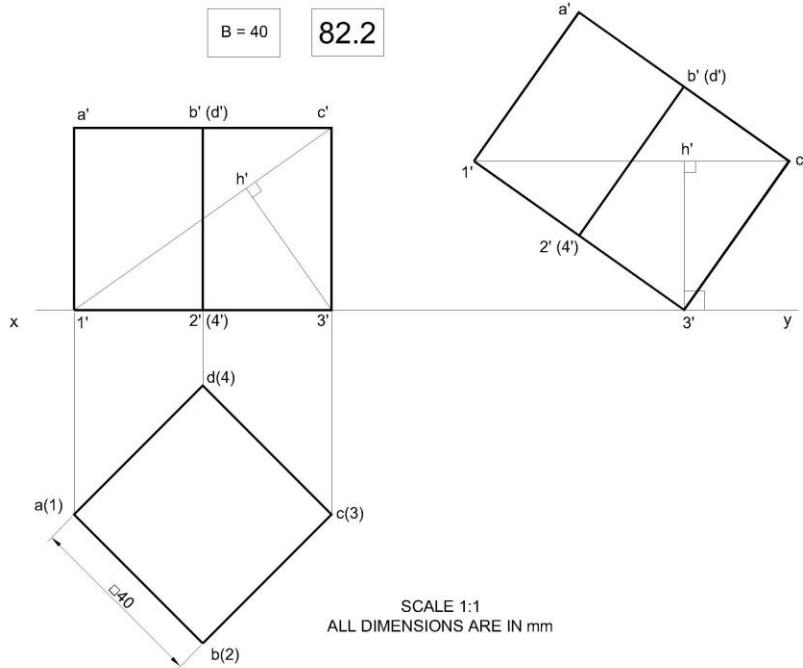
SUMESH 8848440142

BASE EDGE - 40mm ; BODY DIAGONAL PERPENDICULAR TO VP

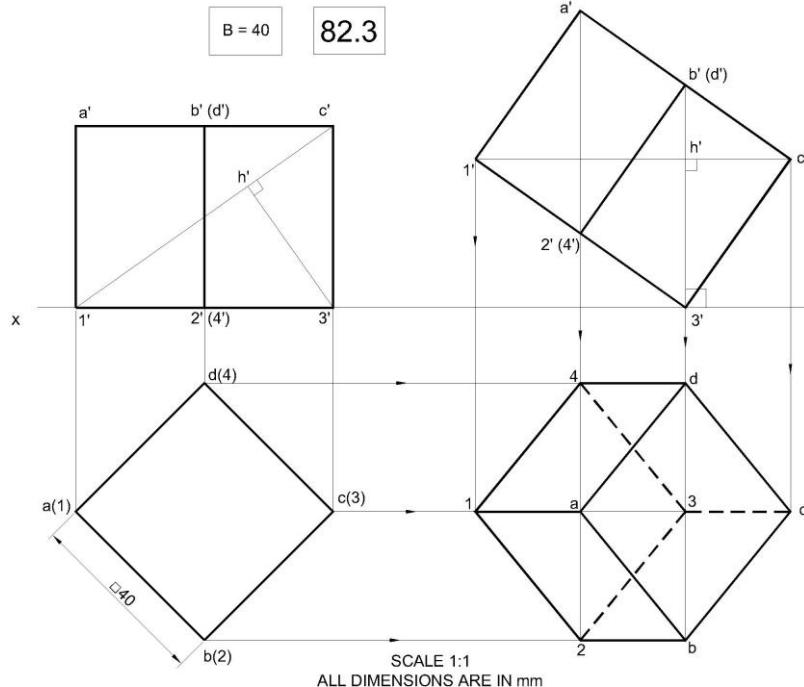
SUMESH 8848440142



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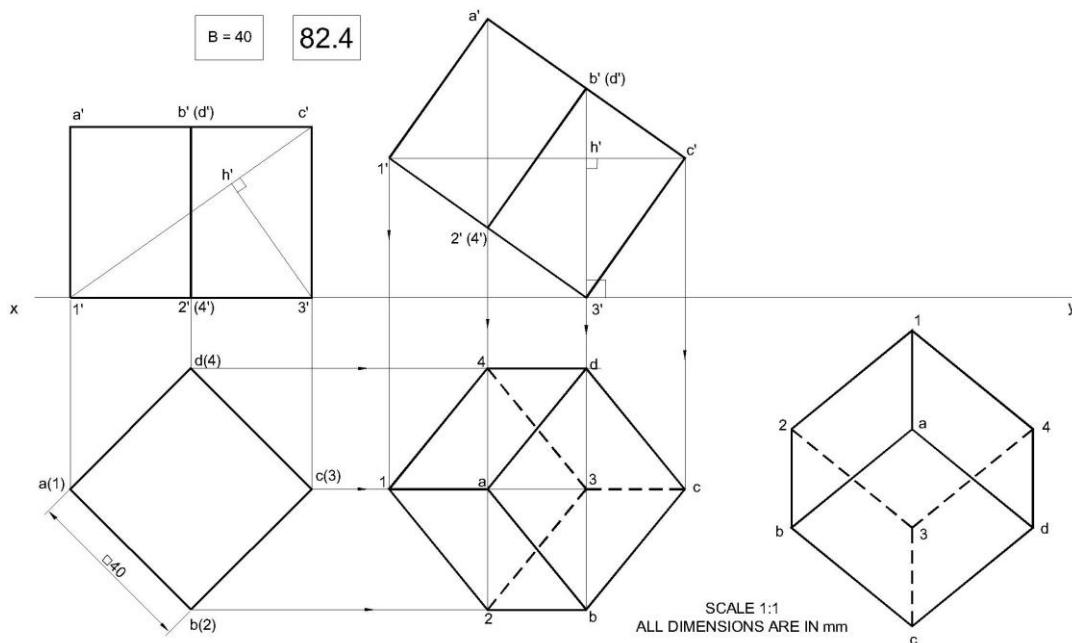


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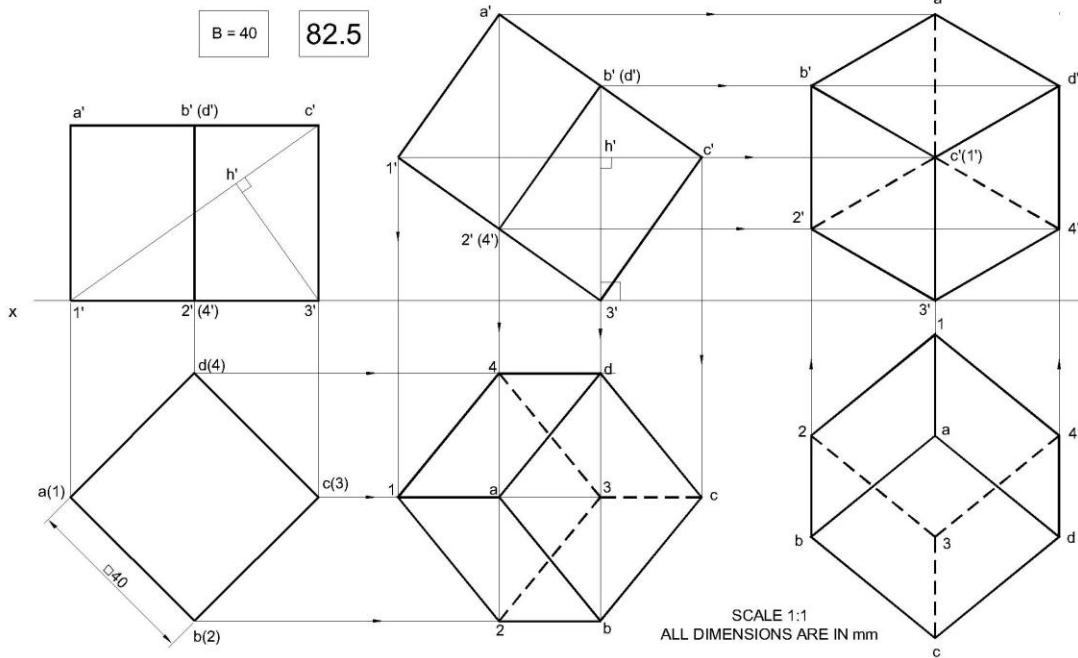
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Q64**PROJECTION OF SOLIDS**

79

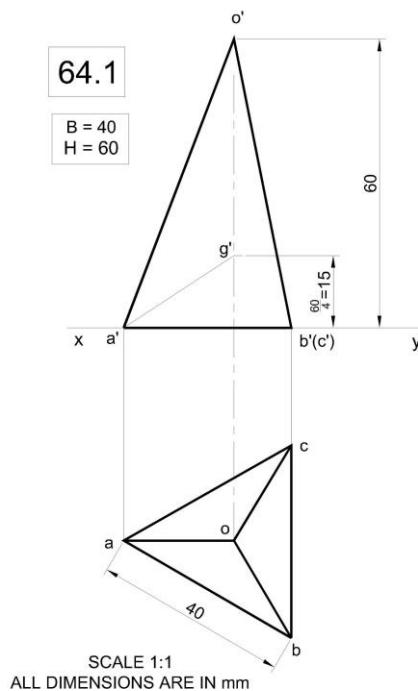
SUSPENDED SOLIDS-TRIANGULAR PYRAMID – TOP VIEW INCLINED

A triangular pyramid 40mm side, axis 60mm long is freely suspended from one of its corners of the base. Draw the front and top view of the pyramid when the axis of it makes an angle of 50° with xy-line (or vertical plane containing the axis is inclined 50° with VP)

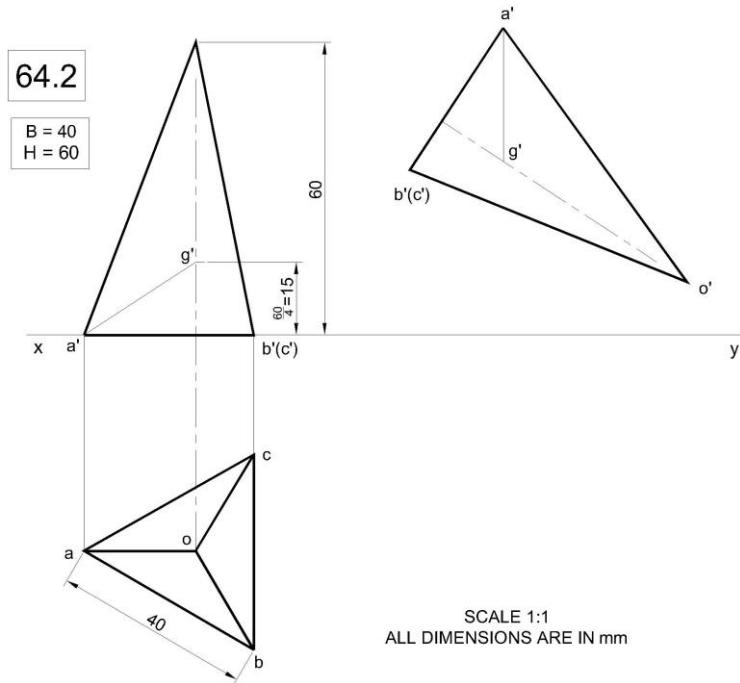
SUMESH 8848440142

BASE EDGE - 40mm ; H- 60mm; TOP VIEW OF THE AXIS INCLINED TO 50° WITH XY

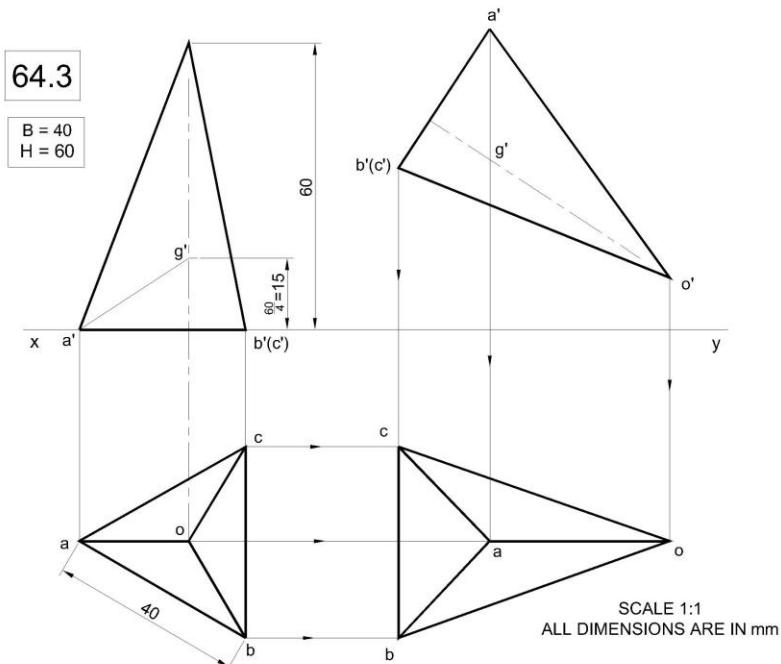
SUMESH 8848440142



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Q65**PROJECTION OF SOLIDS**

80

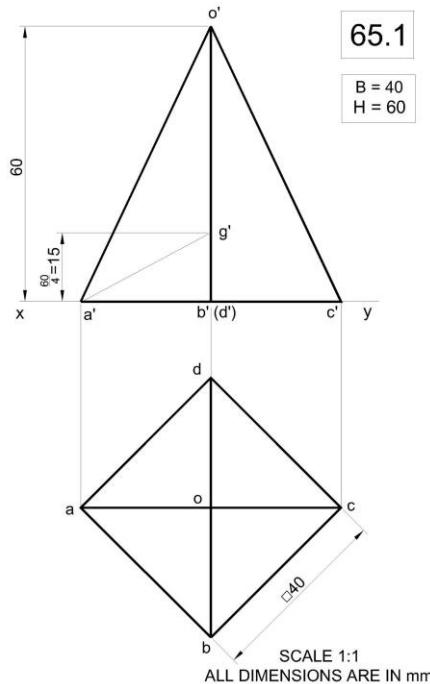
SUSPENDED SOLIDS-SQUARE PYRAMID – AXIS INCLINED TO VP (LOCUS PROBLEM)

A square pyramid, 40mm side of base and 60mm height, is hanging freely from one of the corners of its base with the axis inclined 30° to VP. Draw its projections.

SUMESH 8848440142

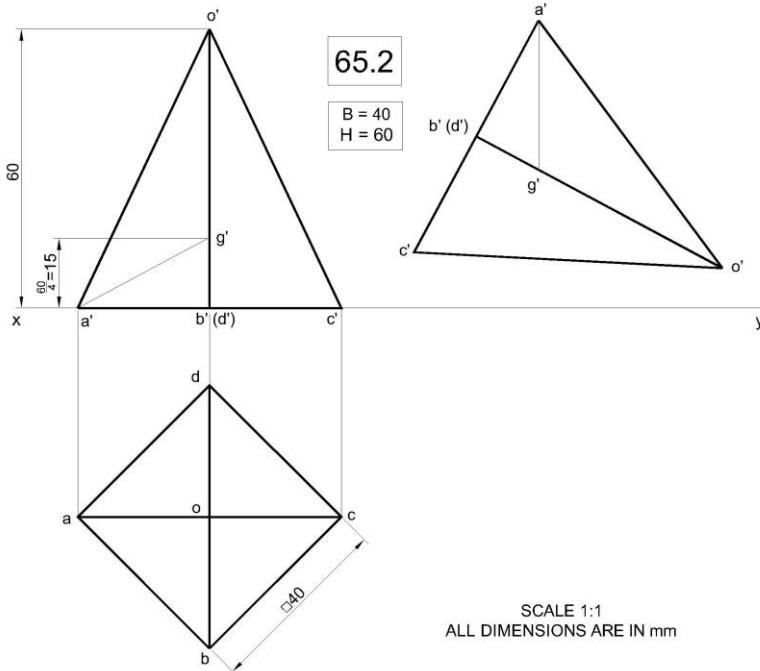
BASE EDGE - 40mm ; H- 60mm; AXIS INCLINED TO 30° VP

SUMESH 8848440142



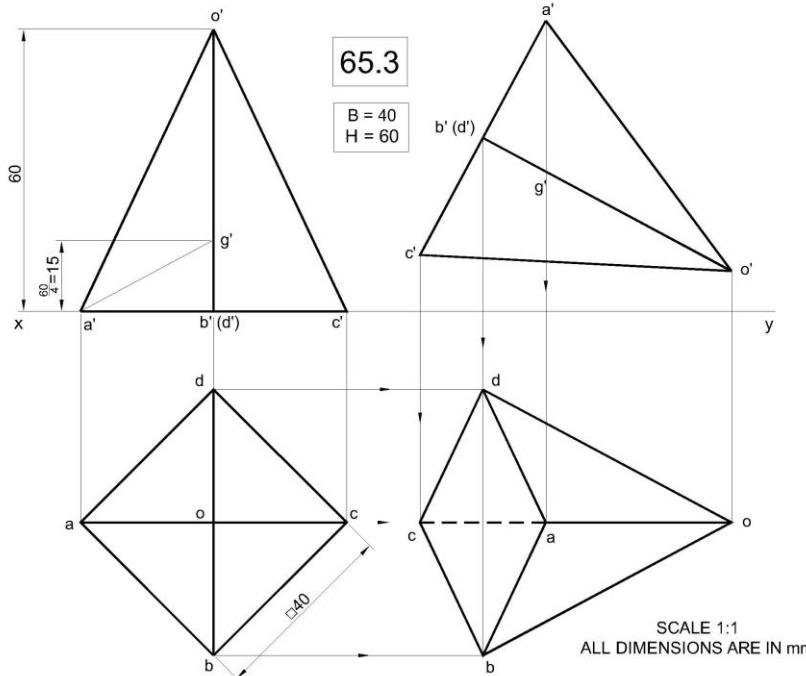
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SUMESH 8848440142



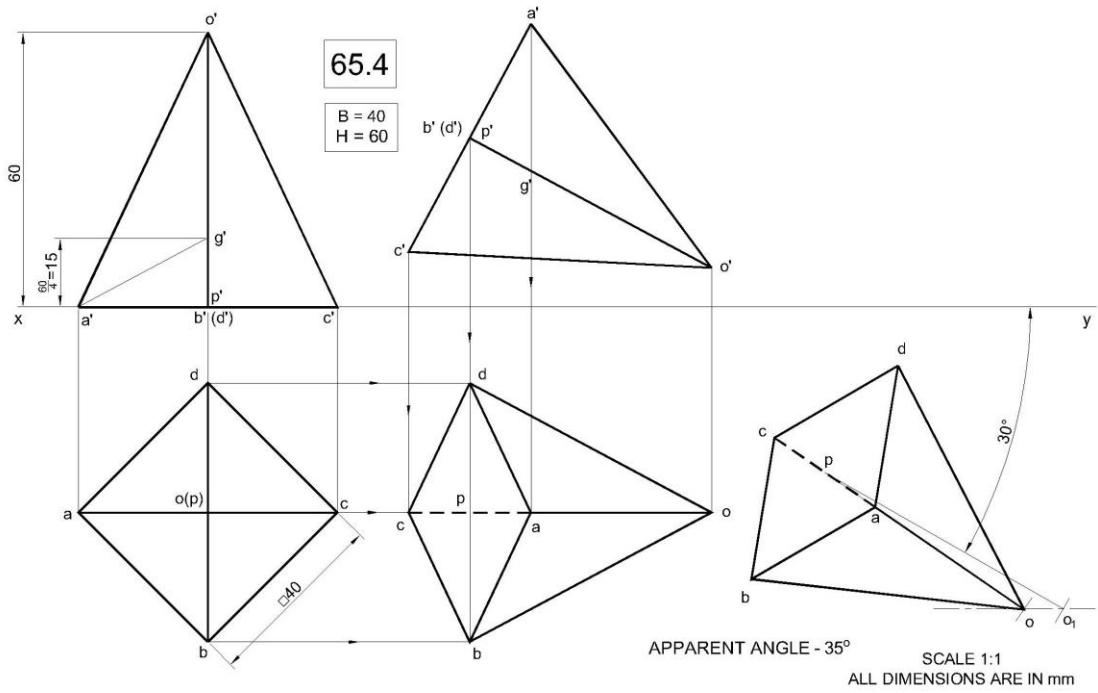
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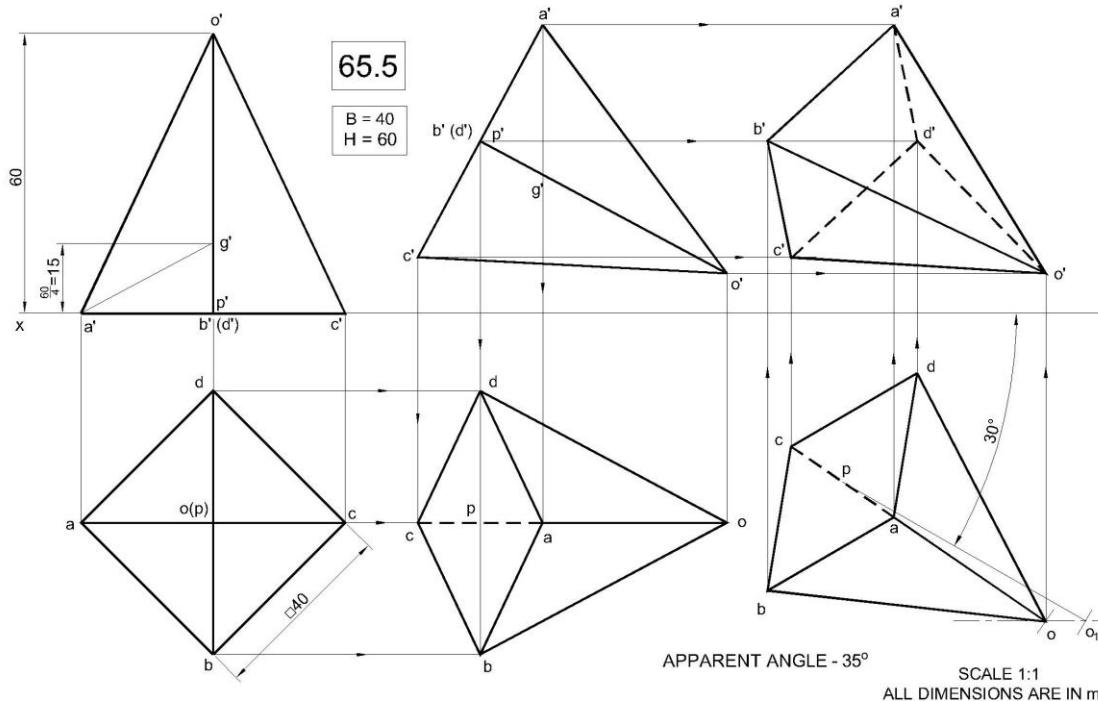


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SUMESH 8848440142

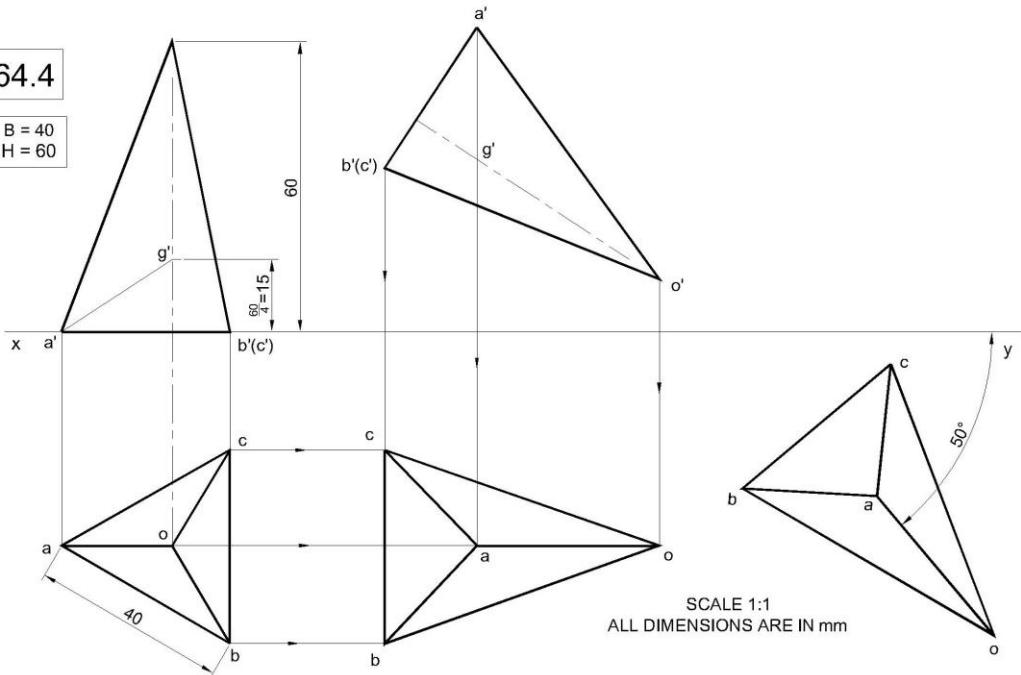




SUMESH 8848440142

64.4

B = 40
H = 60

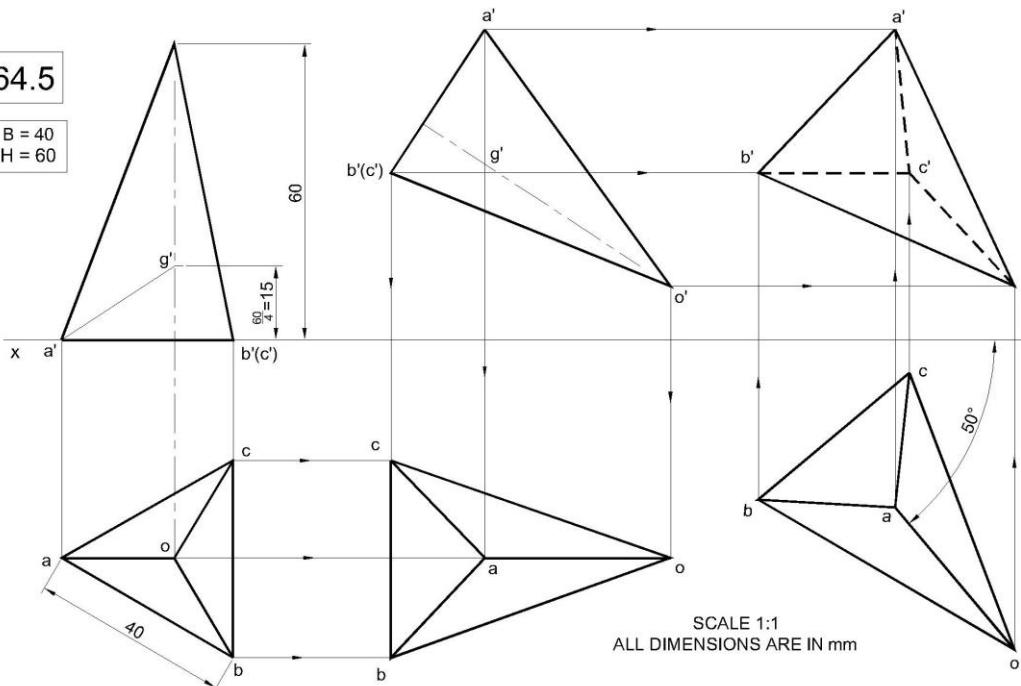


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64.5

$$\begin{array}{l} B = 40 \\ H = 60 \end{array}$$



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Q81**PROJECTION OF SOLIDS**

81

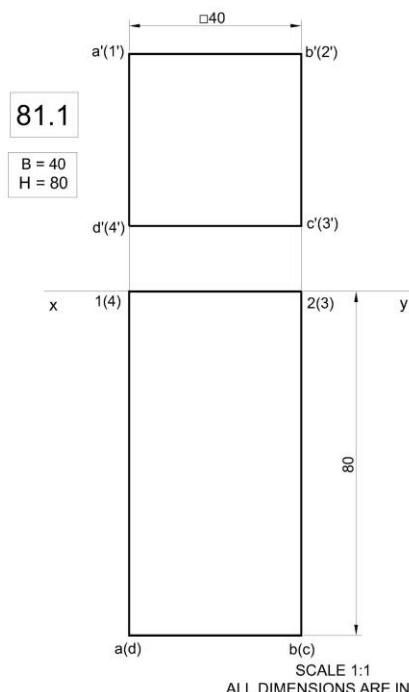
SQUARE PRISM-RESTING ON BASE EDGE ON VP

A square prism of base side 40mm and length 80mm has a base edge on VP, axis inclined at 30° to VP and the resting base edge is inclined at 40° to HP. Draw the projections of the solid.

SUMESH 8848440142

BASE EDGE - 40mm; HEIGHT - 80mm; AXIS - 30° TO VP; RESTING BASE EDGE - 40° TO HP

SUMESH 8848440142

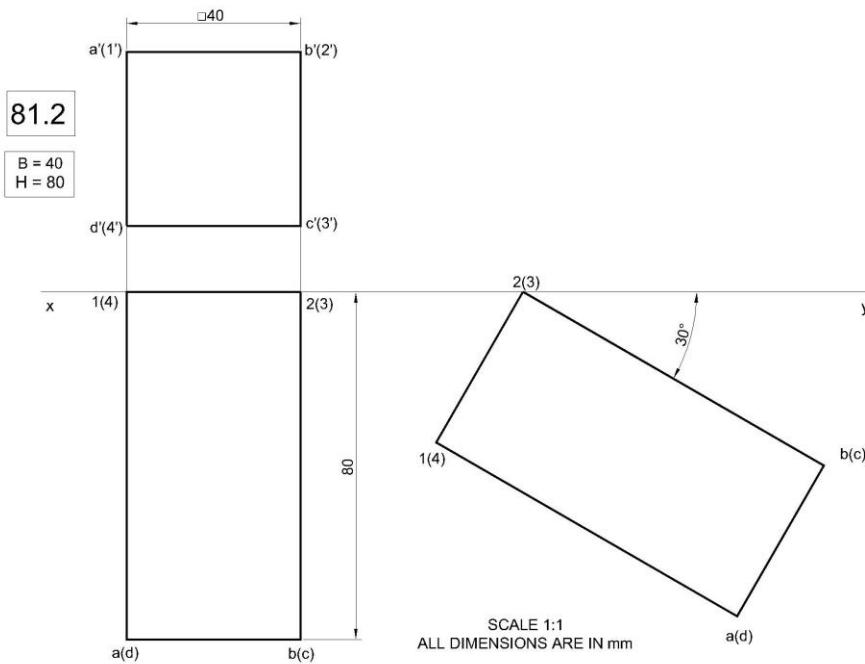


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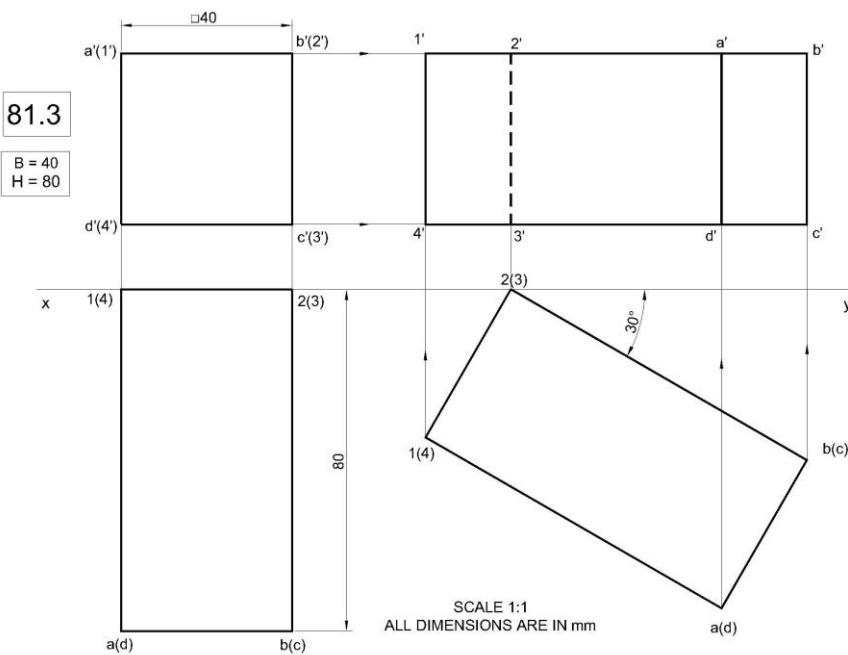


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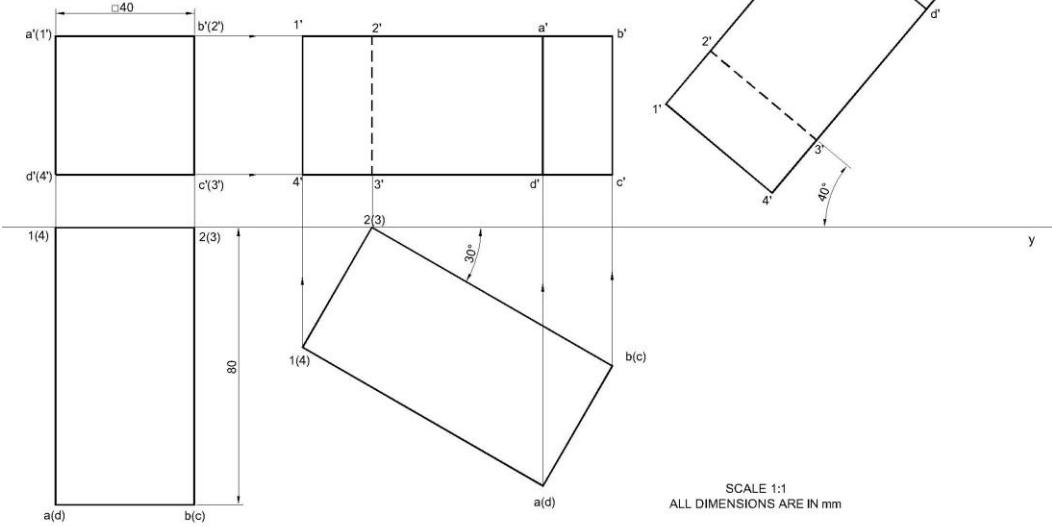
SUMESH 8848440142



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SUMESH 8848440142

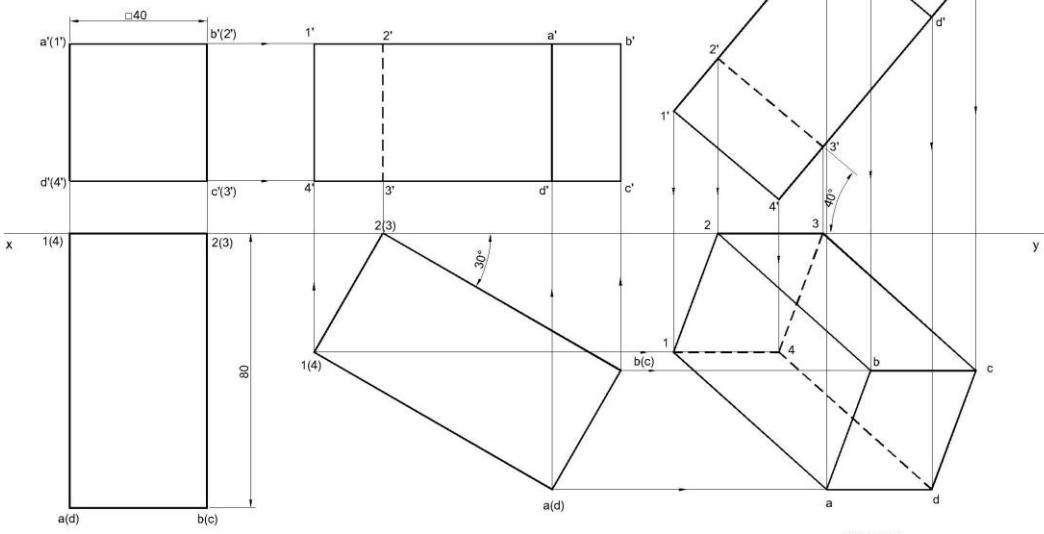
81.4

 $B = 40$ $H = 80$ 

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SUMESH 8848440142

81.5

 $B = 40$ $H = 80$ 

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Q63**PROJECTION OF SOLIDS**

82

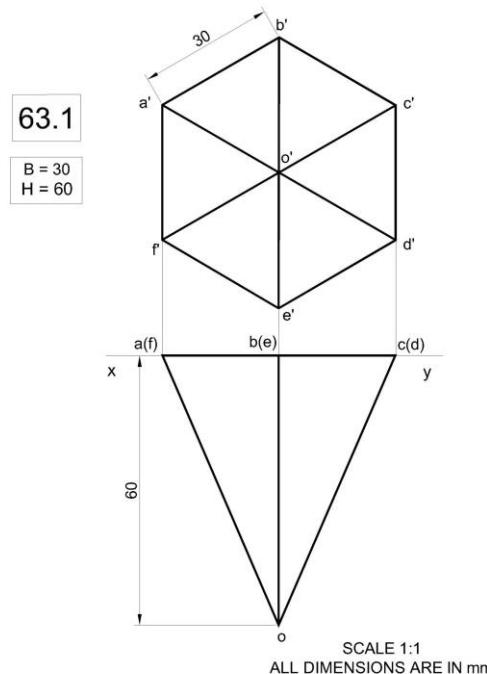
HEXAGONAL PYRAMID -LATERAL FACE ON VP - RESTING ON CORNER ON HP

A triangular face of a hexagonal pyramid of base 30mm and height of 60mm is lying on VP. The base edge of the above triangular face is inclined 45° to HP . Draw its projections if the solid is resting on one base corner on HP

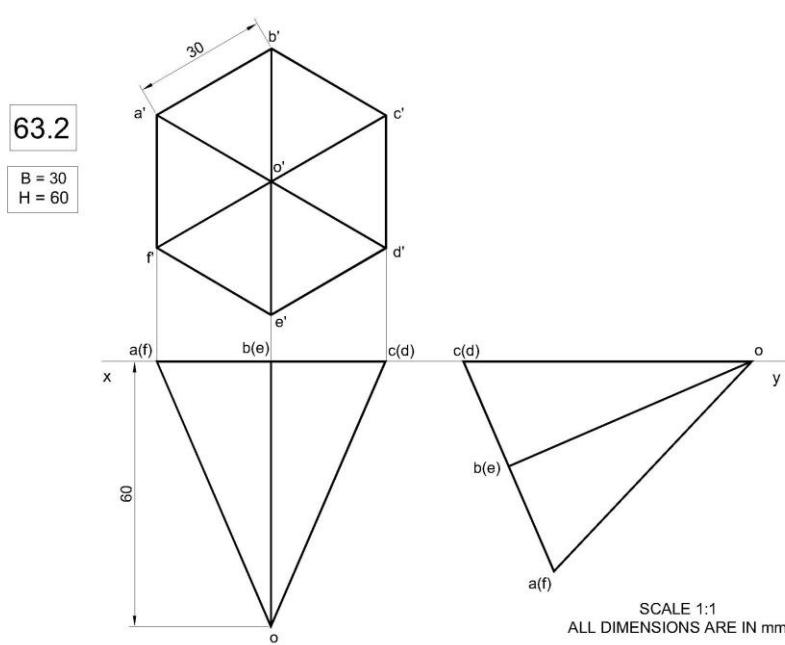
SUMESH 8848440142

BASE EDGE -30mm ;HEIGHT -60mm ;TRIANGULAR FACE ON VP; RESTING ON BASE CORNER; BASE EDGE 45° TO HP

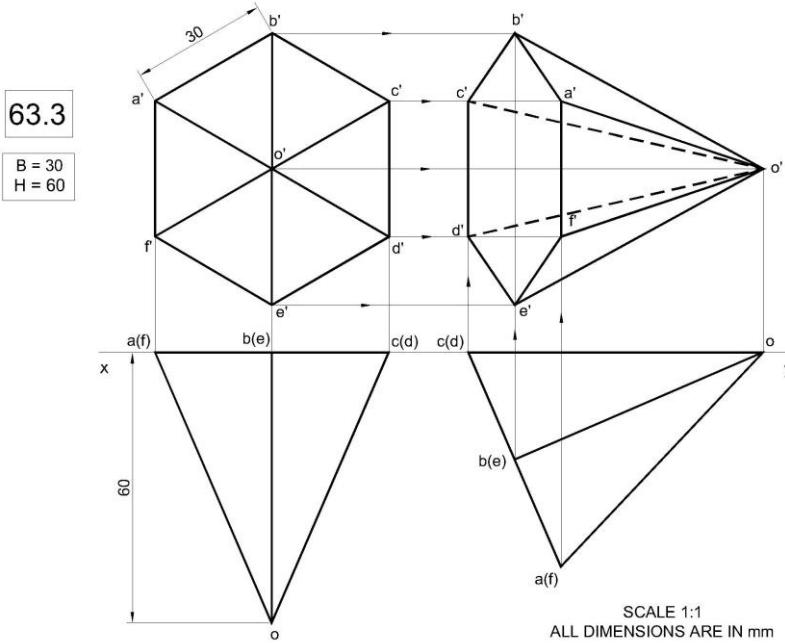
SUMESH 8848440142



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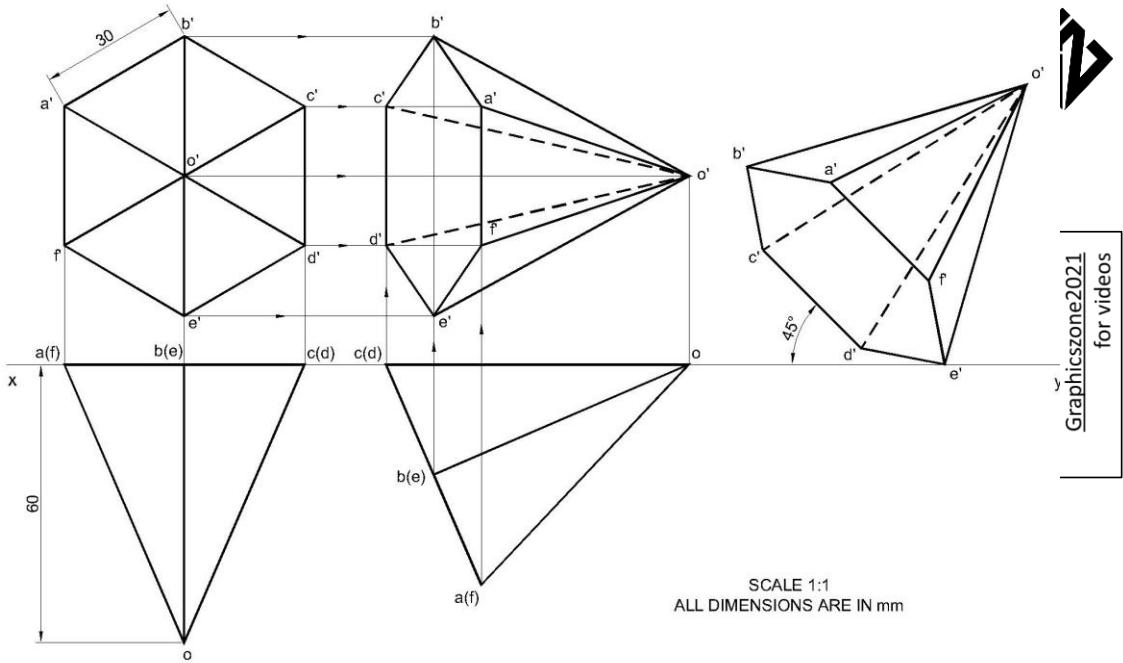


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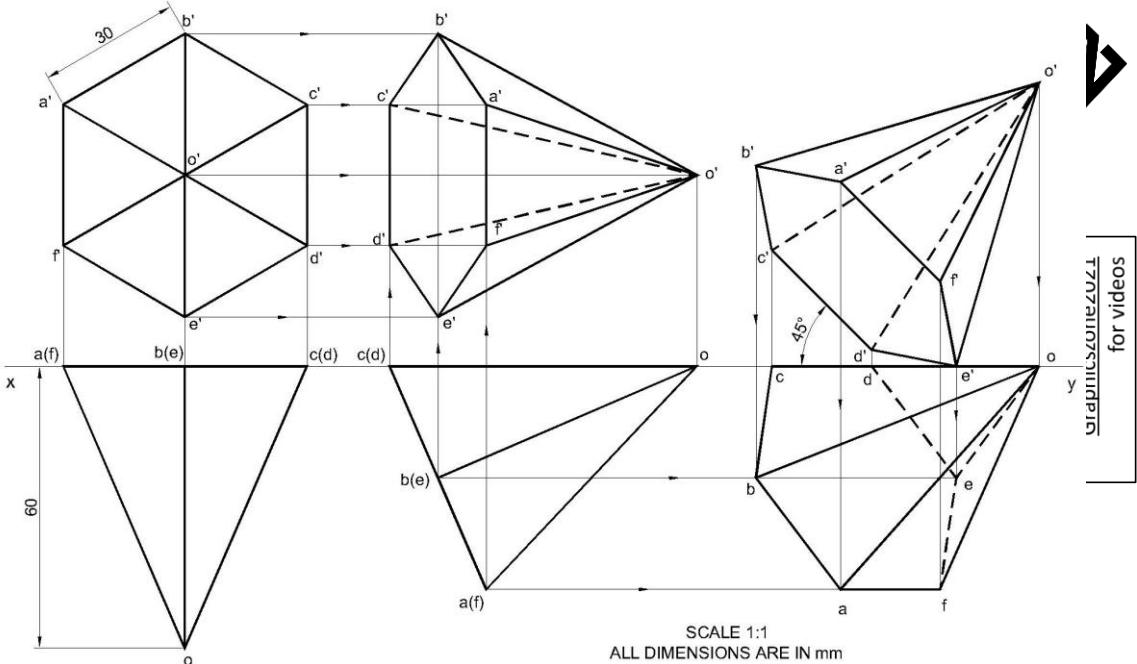
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63.4

 $B = 30$ $H = 60$ 

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63.5

 $B = 30$ $H = 60$ 

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Q74**PROJECTION OF SOLIDS**

83

CONE-RESTING ON BASE POINT ON VP

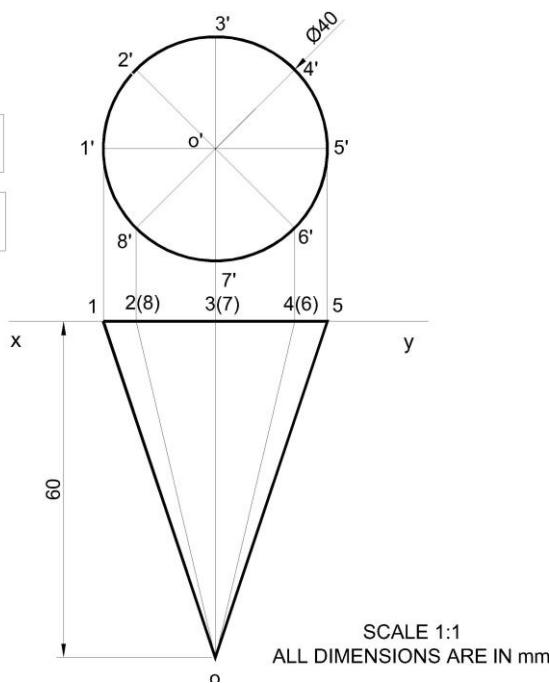
A cone of diameter 40mm and height 60mm touches VP with a point on the base circle. The axis inclined 30° to VP and the front view of the axis is inclined 45° to XY line. Draw the projections.

SUMESH 8848440142

DIA- 40mm ; HEIGHT-60mm ; AXIS - 30° TO VP; FRONT VIEW OF THE AXIS - 45° TO HP

SUMESH 8848440142

74.1

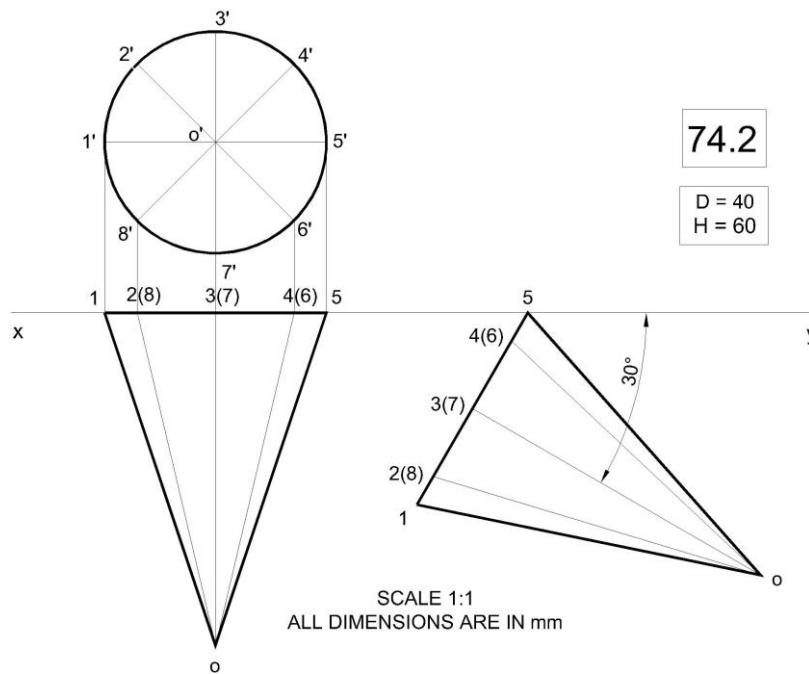
D = 40
H = 60

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74.2

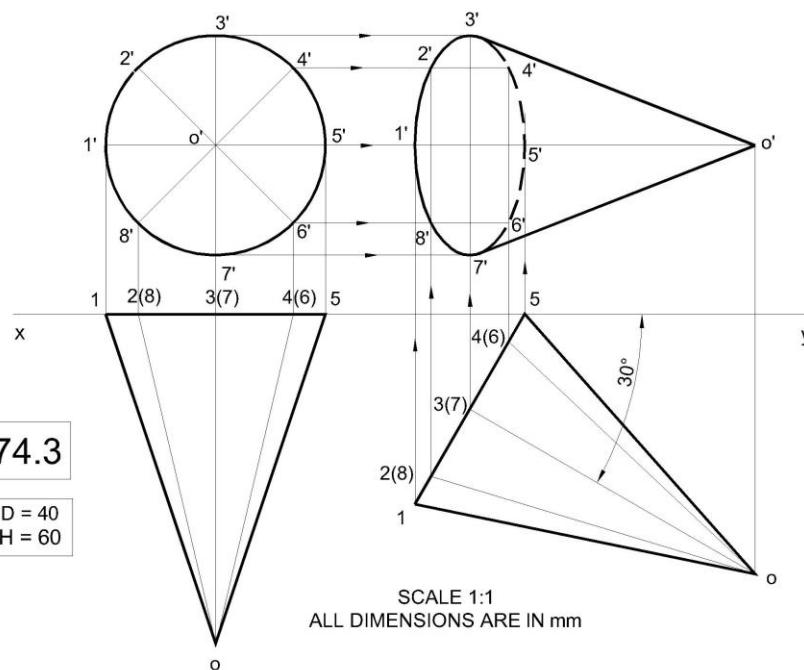
D = 40
H = 60

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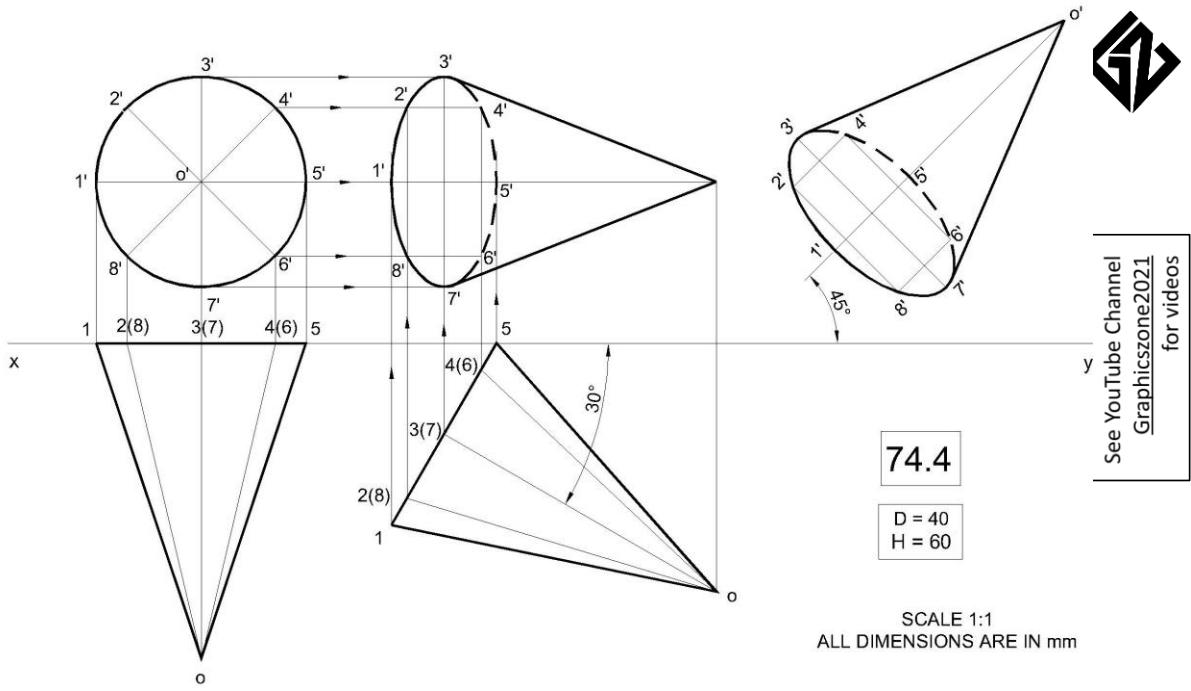
74.3

D = 40
H = 60SCALE 1:1
ALL DIMENSIONS ARE IN mm

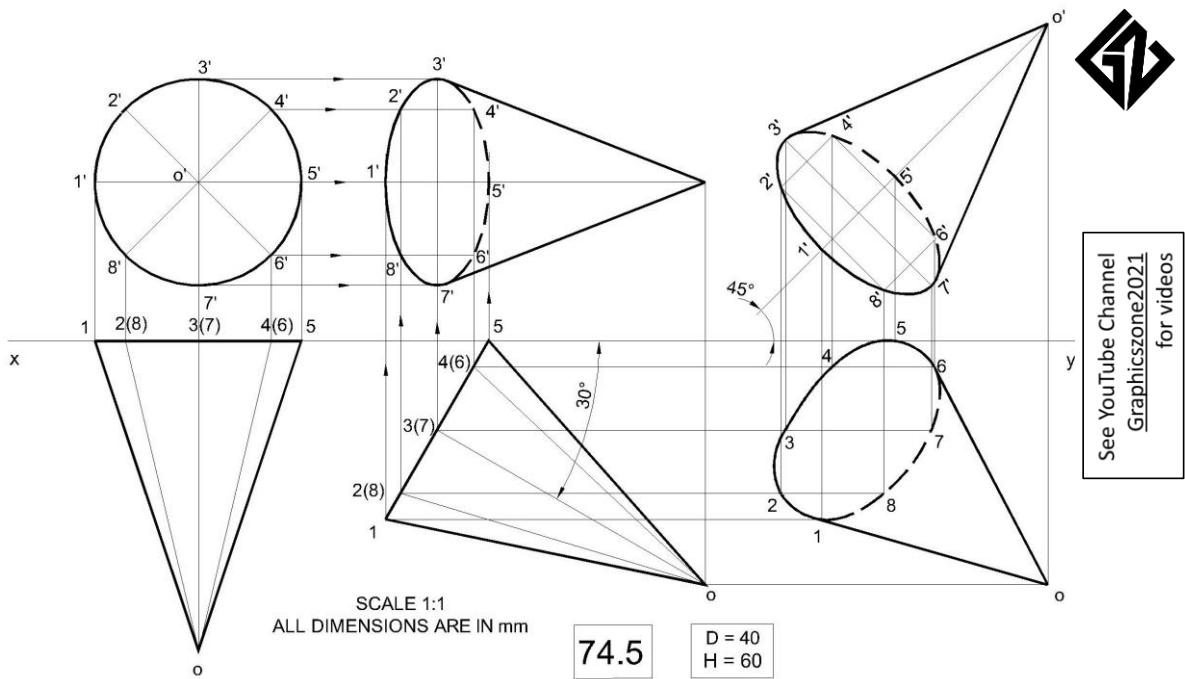
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Q76**PROJECTION OF SOLIDS**

84

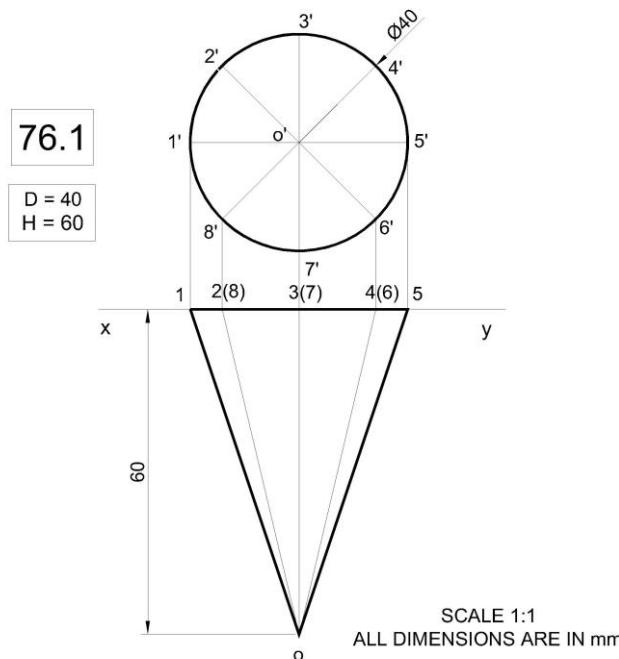
CONE - RESTING ON GENERATOR ON VP & INCLINED TO HP- APEX ON HP

A cone of base diameter 40mm and height 60mm is resting on generator on VP and the generator is inclined 40° to HP and the apex touching HP.

SUMESH 8848440142

BASE DIA- 40mm ; HEIGHT- 60mm; GENERATOR ON VP & INCLINED 40° TO HP ; APEX ON HP

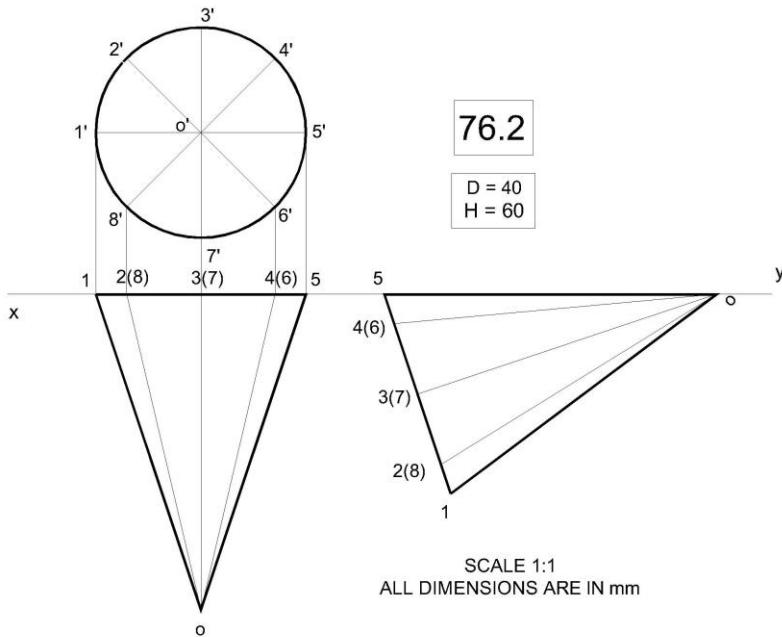
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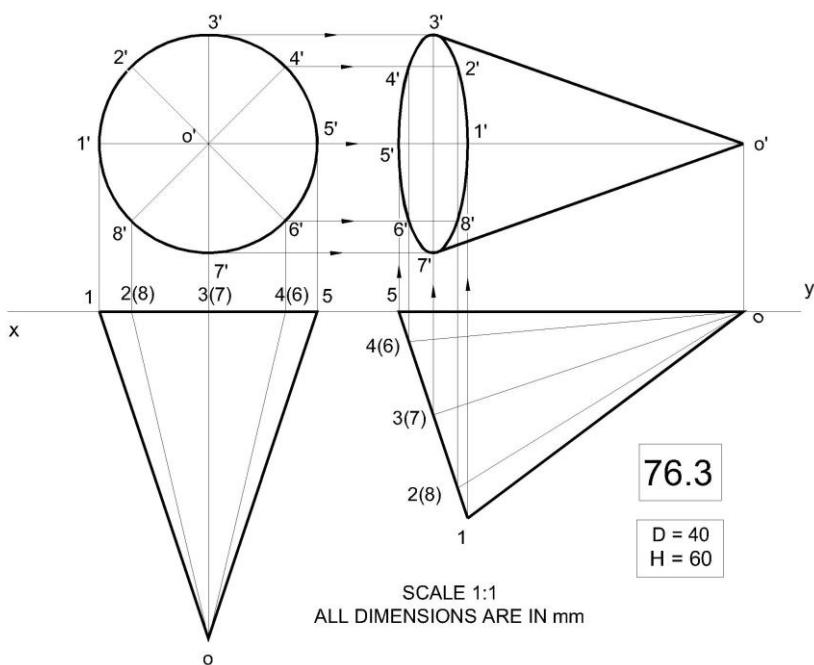


SUMESH 8848440142



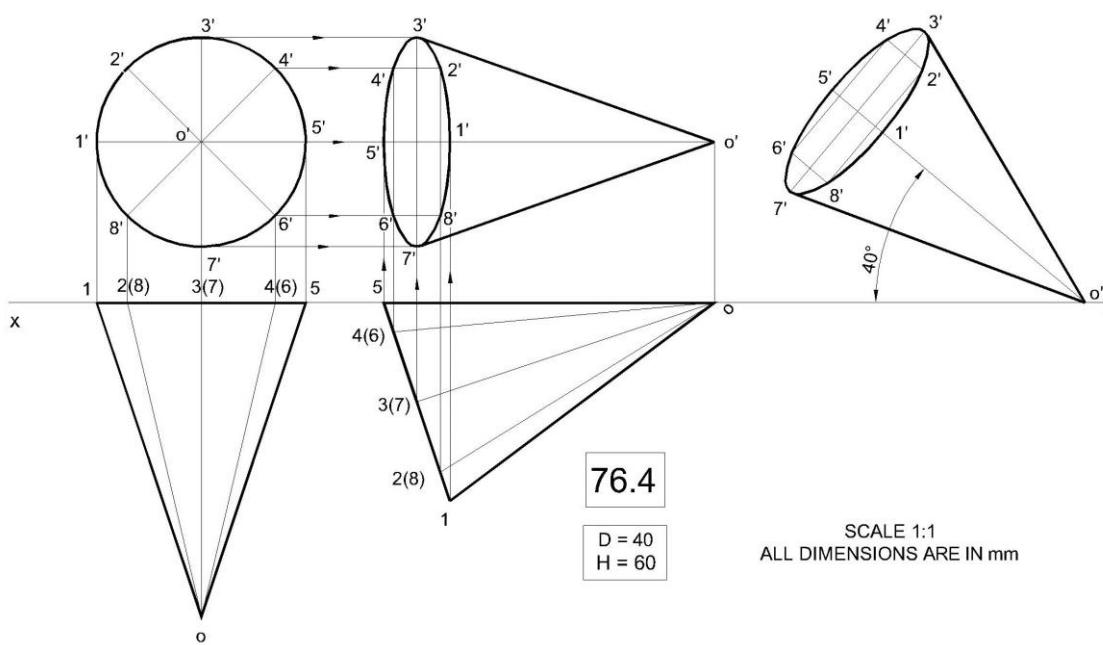
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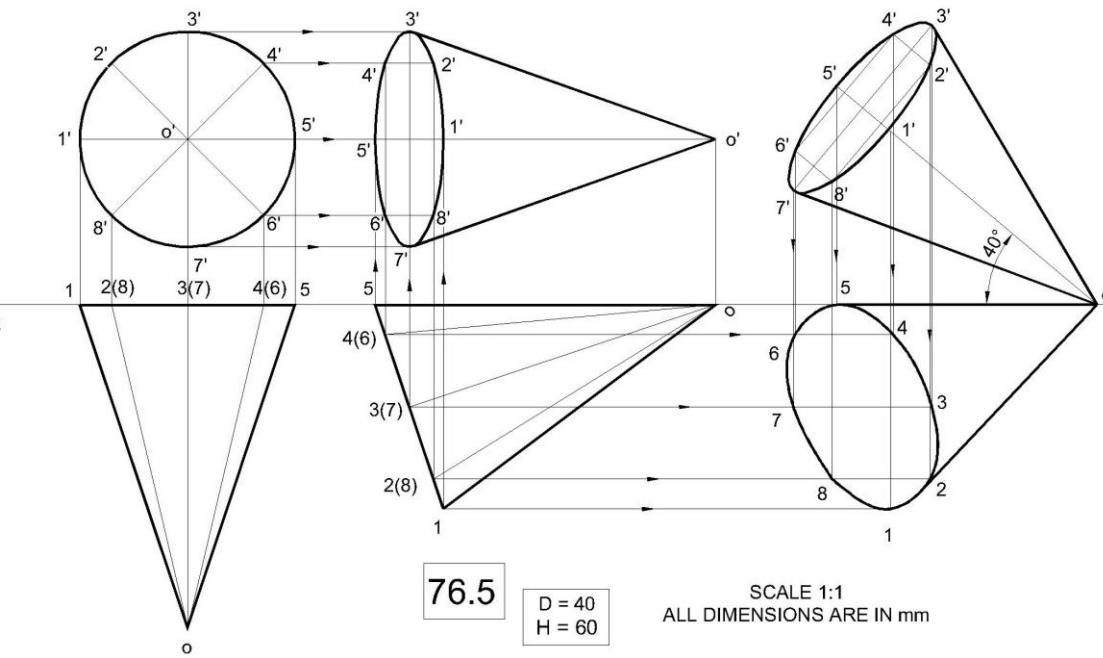
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Q198**PROJECTION OF SOLIDS**

85

CONE- RESTING ON BASE POINT ON VP (LOCUS PROBLEM)

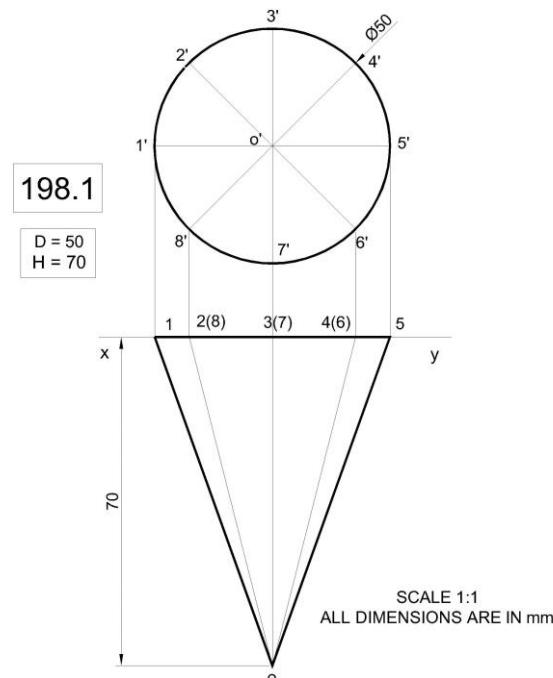
A cone of base 50mm diameter and axis 70mm rests on VP and its axis inclined at 45° to VP and 30° to HP. Draw the projections of the solid with axis away from VP and nearer to HP

SUMESH 8848440142

BASE DIA - 50mm ; HEIGHT- 70mm; RESTING ON BASE POINT ON VP; $\theta = 30^\circ$; $\phi = 45^\circ$



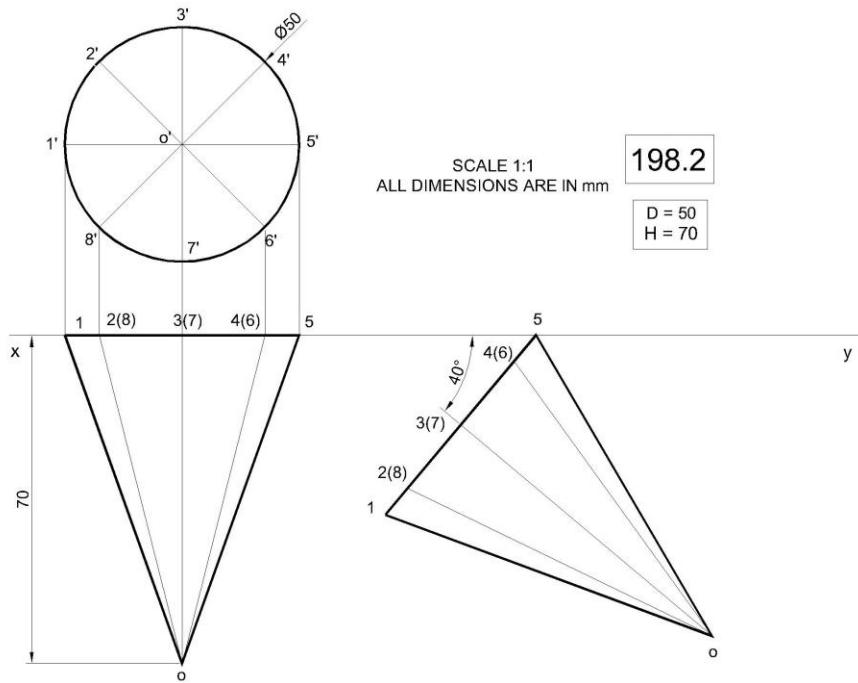
SUMESH 8848440142



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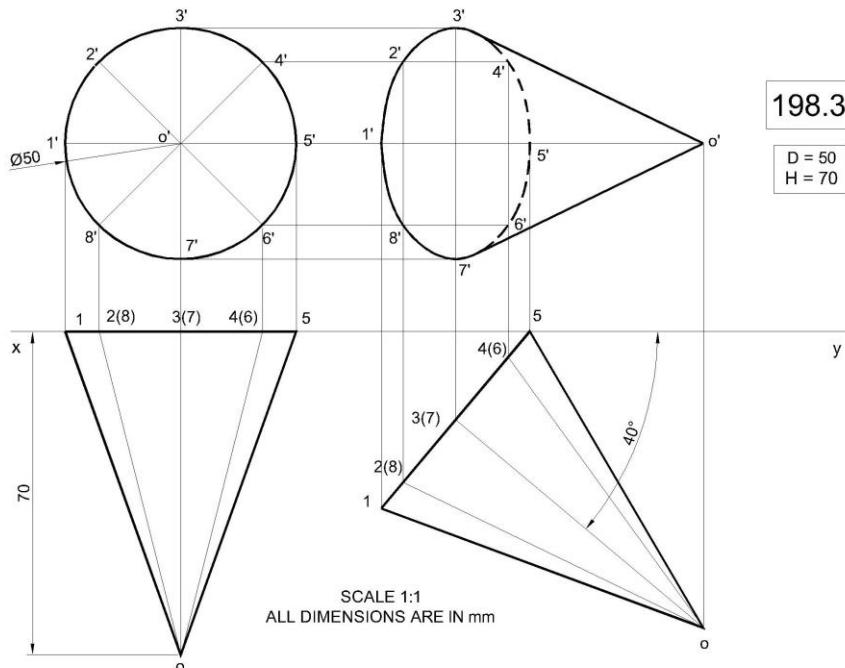


SUMESH 8848440142

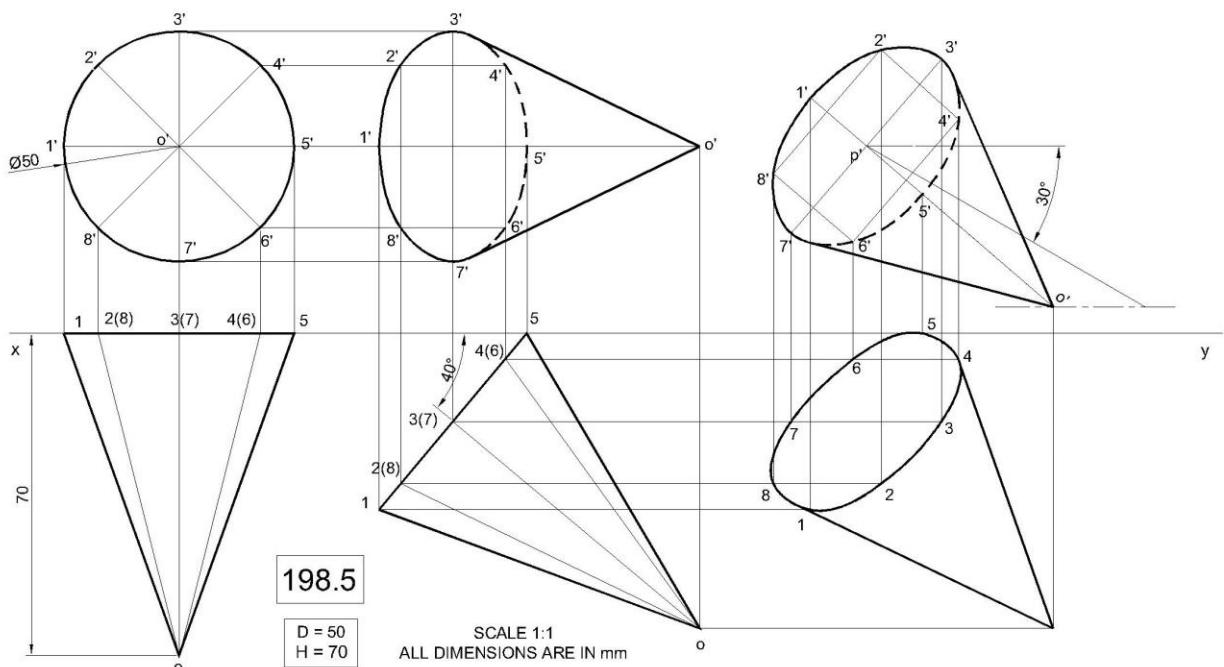
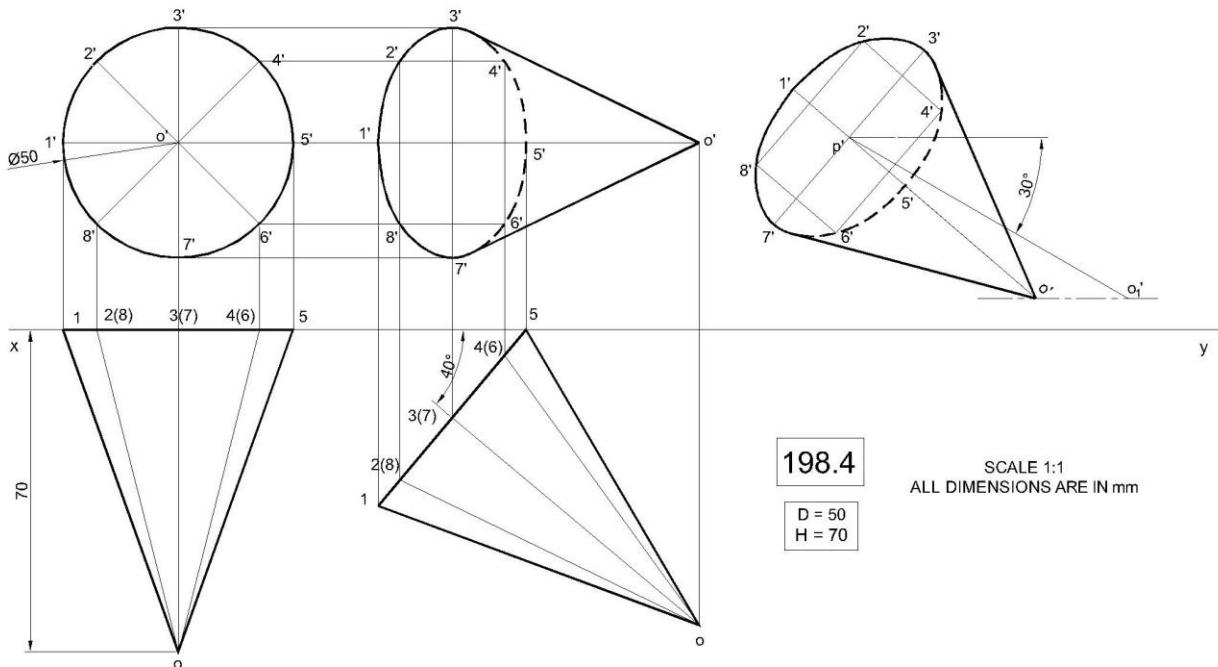


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SEE THAT APEX
AWAY FROM VP & TOWARDS HP

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