Commands :

Q1 >

UNITS : To set the units

LIMITS : To specify the drawing space

ZOOM : To Zoom to working area

POINT : To specify the points

SPLINE : To draw the parabola

Q2 >

UNITS : To set the units

LIMITS : To specify the drawing space

ZOOM : To Zoom to working area.

~~DIMENSIONS : To~~

ANNOTATION : To set the dimensions

EXTRUDE : To set the length / height of the prism

Q3a) Units : To set the units

Limits : To specify the drawing area

Zoom : To Zoom to working area

Boundary : To make the solid object

Pyramid
~~Polygon~~ : To draw the hexagonal pyramid

Text : To set the text.

3D Rotate : To rotate the given figure.

Q4b) UNITS : To set the units

LIMITS : To specify the drawing ~~boot~~ area

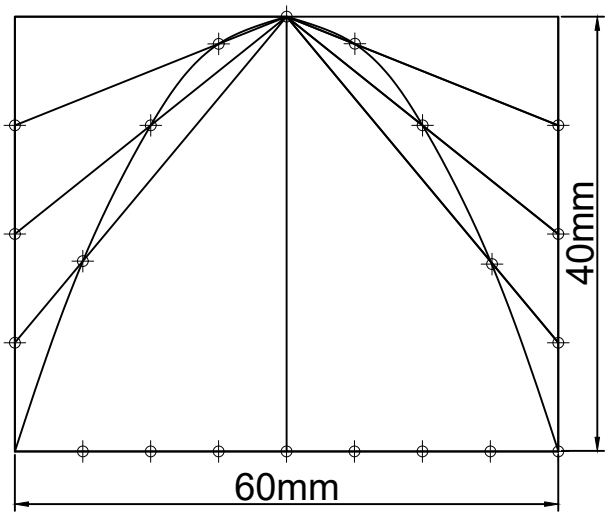
ZOOM : To Zoom to the working area

Helix : To draw the spring

~~SOLE~~
CIRCLE : To draw the circle of required diameter.

SWEEP : To ~~@~~ do the sweep.

Q1a. A parabola with base 60 mm and length of the axis 40 mm using rectangle method.



Rectangular Method

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REG NO:	RA2011026010022	Q1. a
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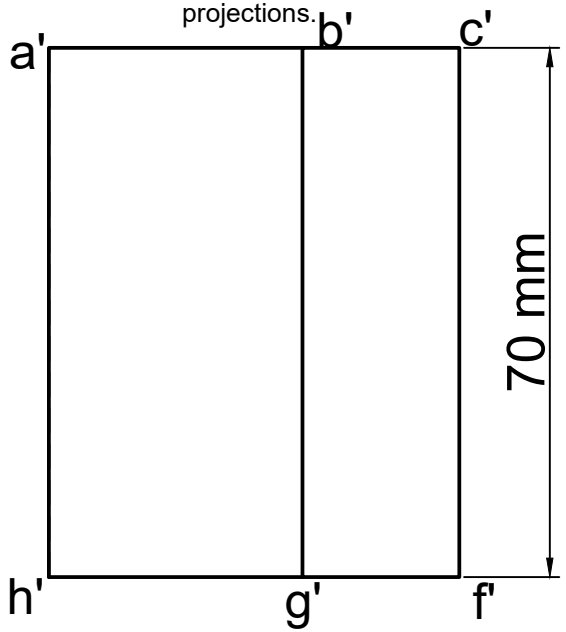
MARKS :		
FACULTY :	SARAVANAKUMAR R	

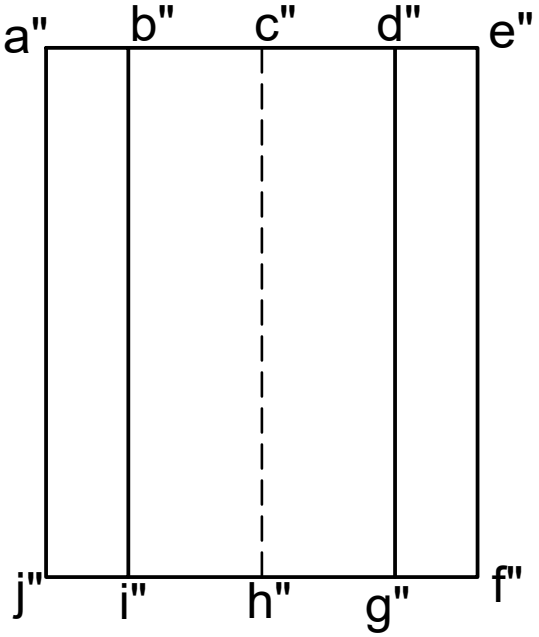
[All Dimensions are in mm]

Q2b.

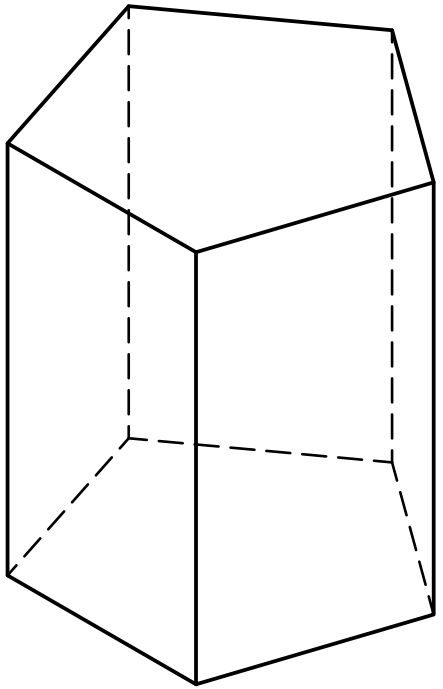
A pentagonal prism of 30 mm side of base and axis 70 mm long is resting on its base on HP in such a way that one of its faces is perpendicular to VP. Draw its projections.



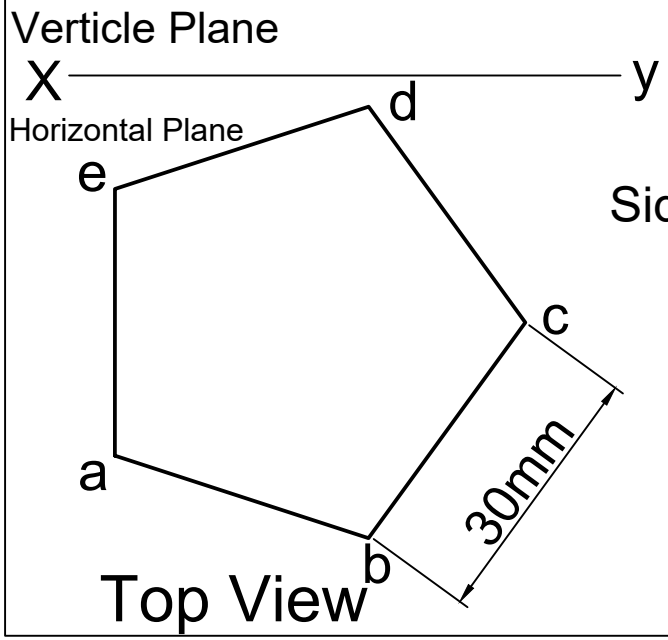
Front View



Side View



Isometric View



Top View

Side eafg is perpendicular to VP

[All Dimensions are in mm]

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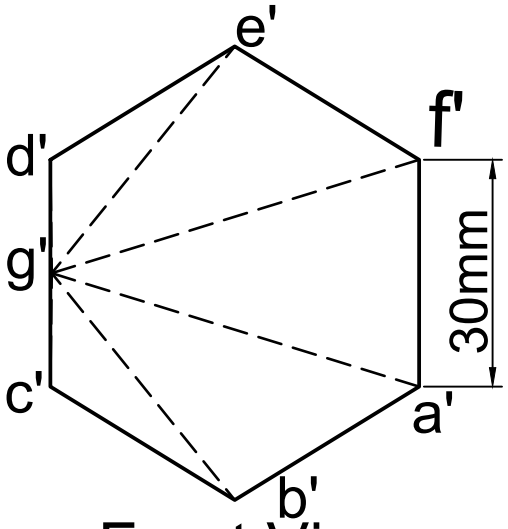
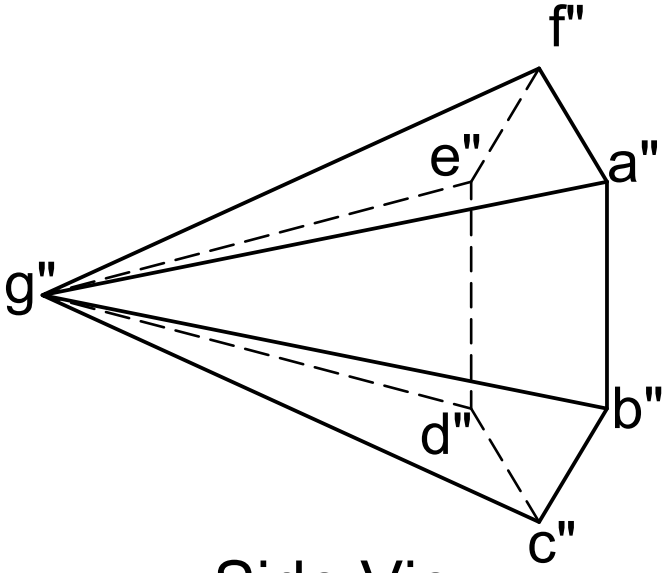
Q3a

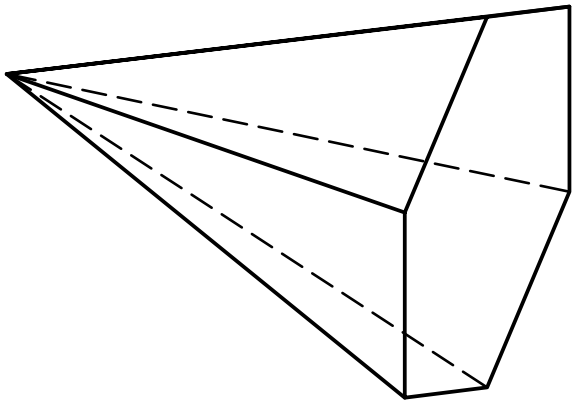
A hexagonal pyramid of 30 mm base edges and axis 70 mm long is tilted about one of its base edge such that the triangular face through that edge is vertical. Draw its projections.



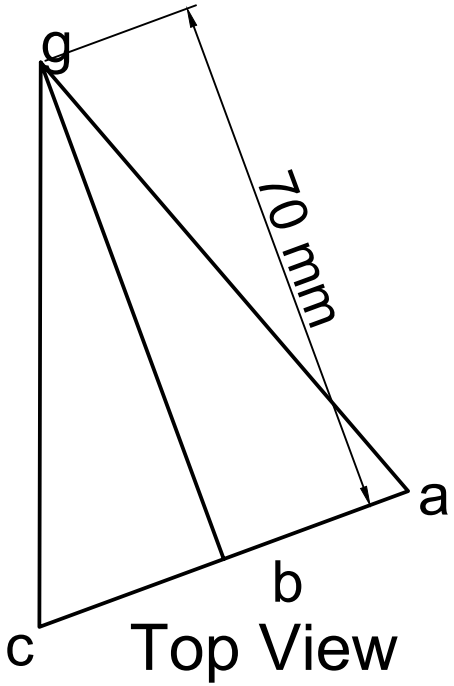
Front View



Side View



Isometric View



Top View

f'

[All Dimensions are in mm]

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MARKS :		
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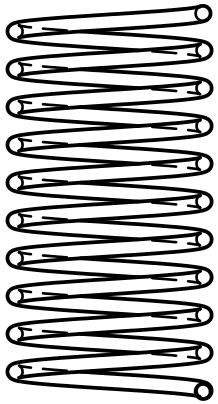
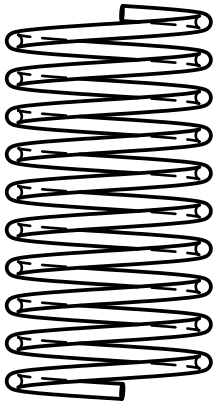
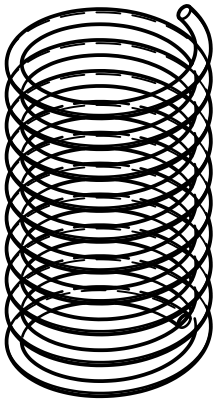
Q4 b Create a helical spring using helix D = 25 mm; d = 2 mm and n = 10



Front View

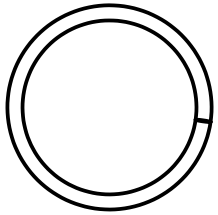


Side View



Isometric View

no. of turns: 10
diameter: 25 mm



Top View

[All Dimensions are in mm]

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MARKS :		
FACULTY :	SARAVANAKUMAR R	