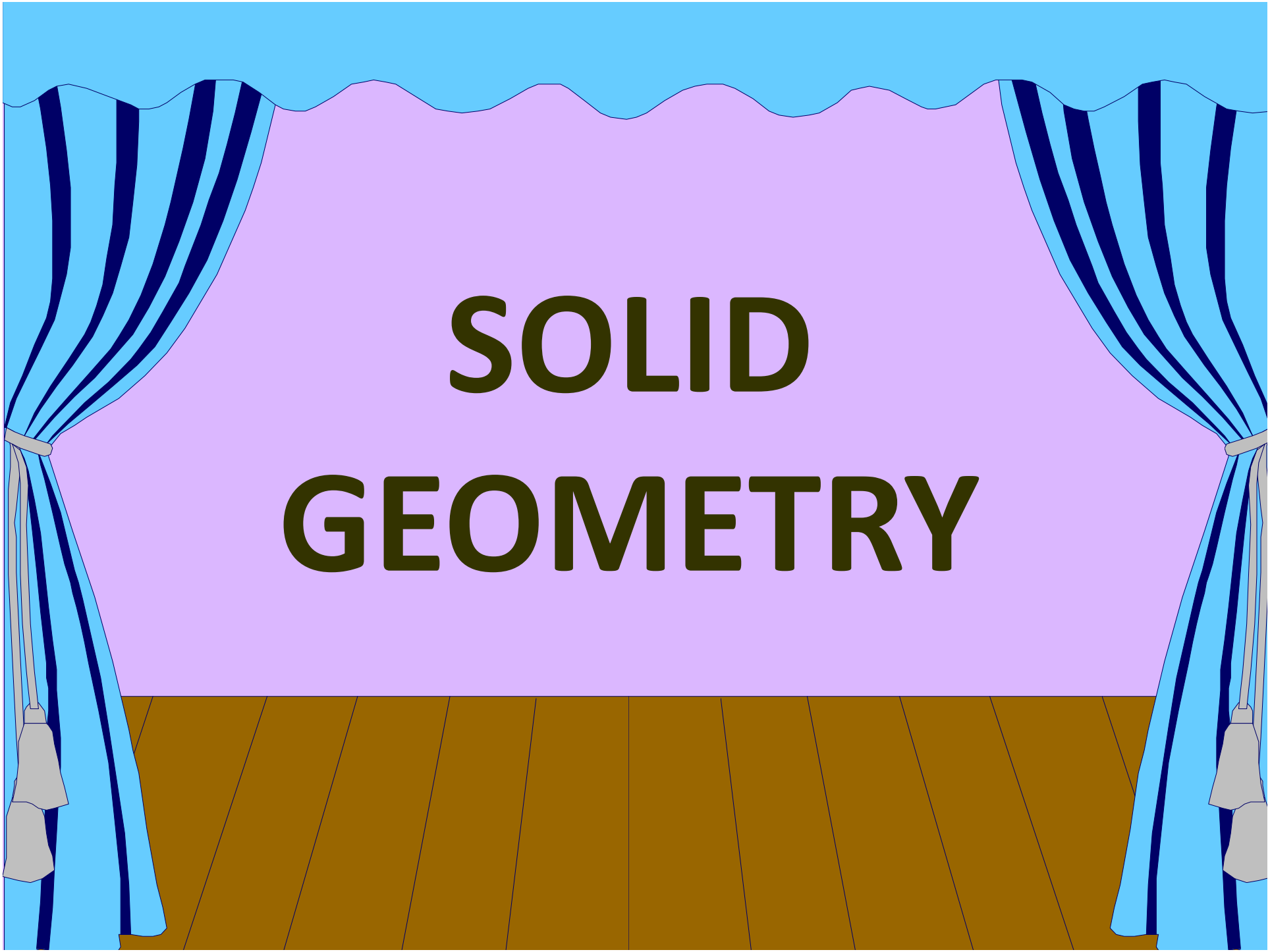

SOLID
GEOMETRY

SOLID GEOMETRY

Following topics will be covered in Solid Geometry ;

(a) Projections of Points in space

(b) Projections of Lines (Without H.T. & V.T.)

(c) Projections of Planes

(d) Projections of Right & Regular Solids like; (Prisms, Pyramids, Cylinder and Cone)

PROJECTIONS OF POINTS

Orientation of Point in Space

(1)In quadrant *I (Above H.P & In Front of V.P.)*

(2) In quadrant *II (Above H.P & Behind V.P.)*

(3) In quadrant *III (Below H.P & Behind V.P.)*

(4) In quadrant *IV (Below H.P & In Front of V.P.)*

Orientation of Point in Space

(5) In Plane (*Above H.P. & In V.P.*)

(6) In Plane (*Below H.P. & In V.P.*)

(7) In Plane (*In H.P. & In front of V.P.*)

(8) In Plane (*In H.P. & Behind V.P.*)

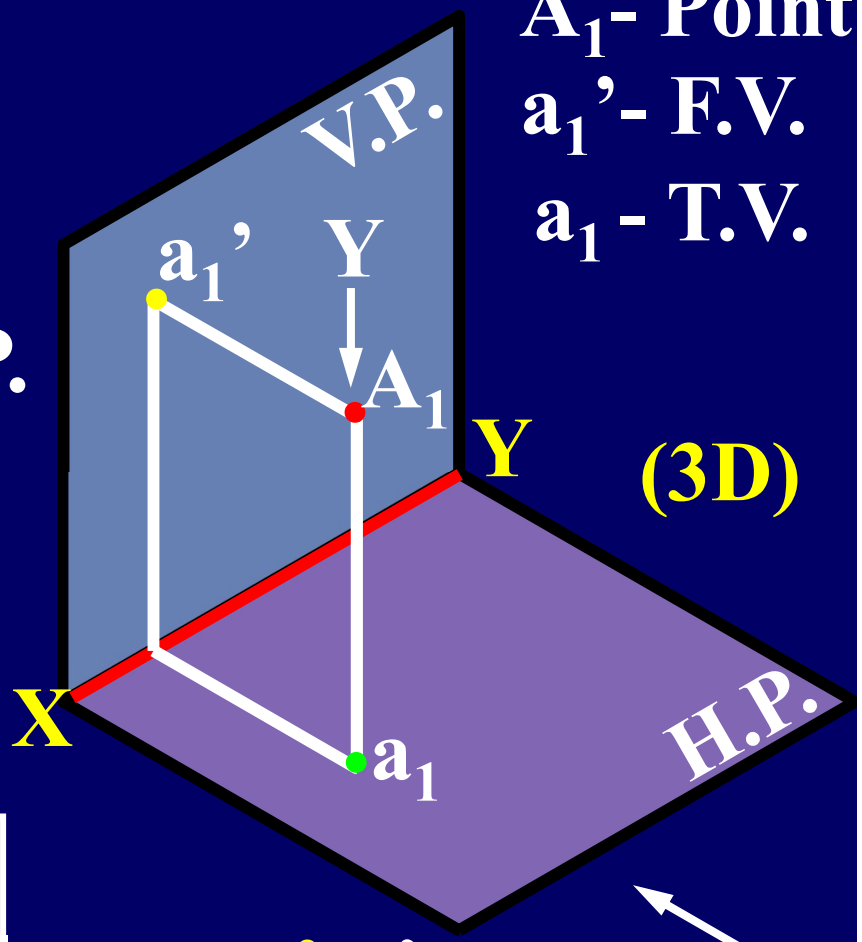
(9) In Plane (*In H.P. & V.P.*)

POSITION: 1 (I Qua.)

POINT A_1

- Above H.P.
- In Front Of V.P.

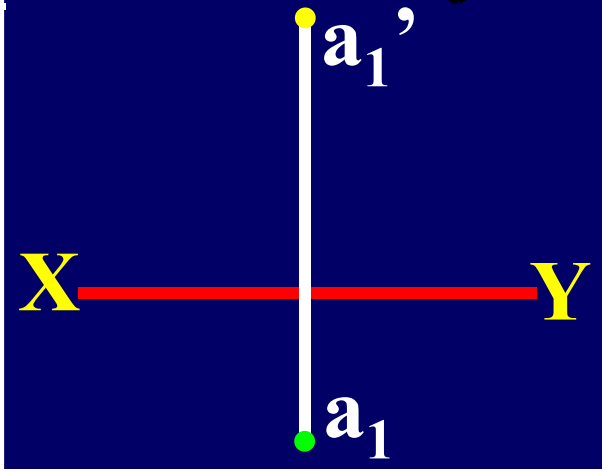
A_1- Point
a_1'- F.V.
a_1 - T.V.



(3D)

CONCLUSIONS:

In 3D	*In 2D*
Point, Above H.P.	F.V. Above XY
Point, In-Front Of V.P.	T.V. Below XY

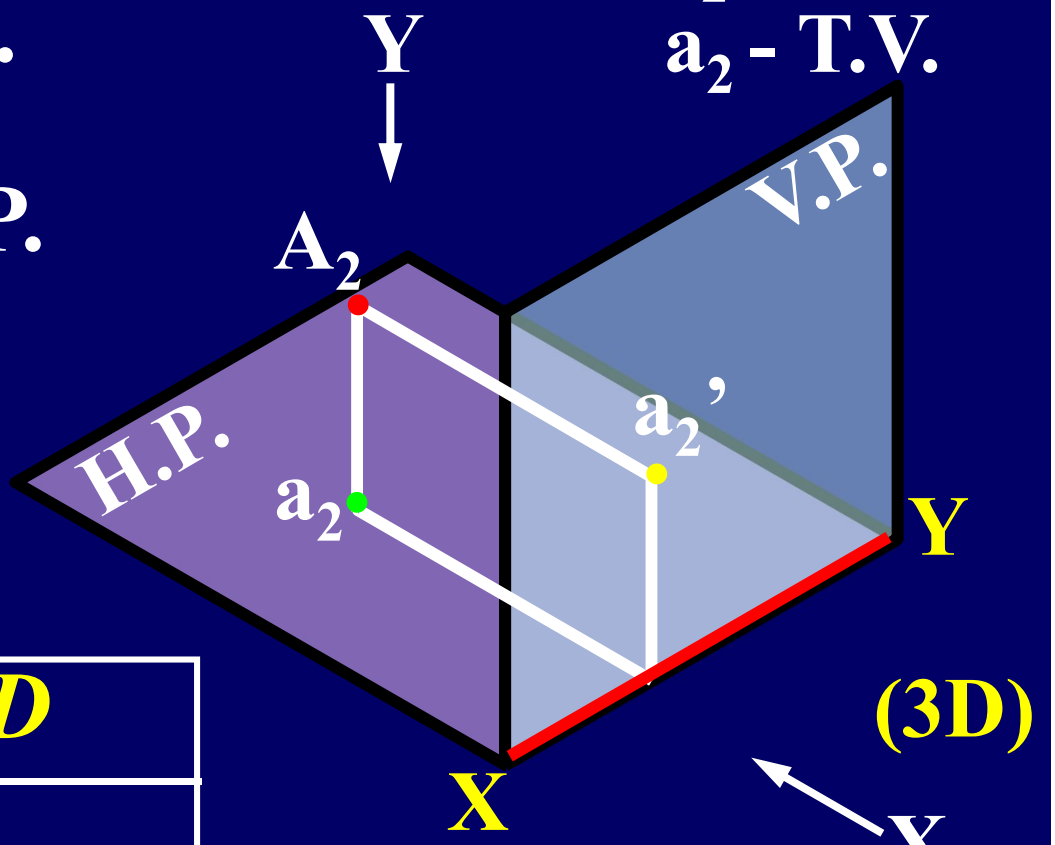


(2D)

POSITION:2 (II Qua.)

POINT A_2
- Above H.P.
- Behind V.P.

A_2- Point
a_2'- F.V.
a_2 - T.V.



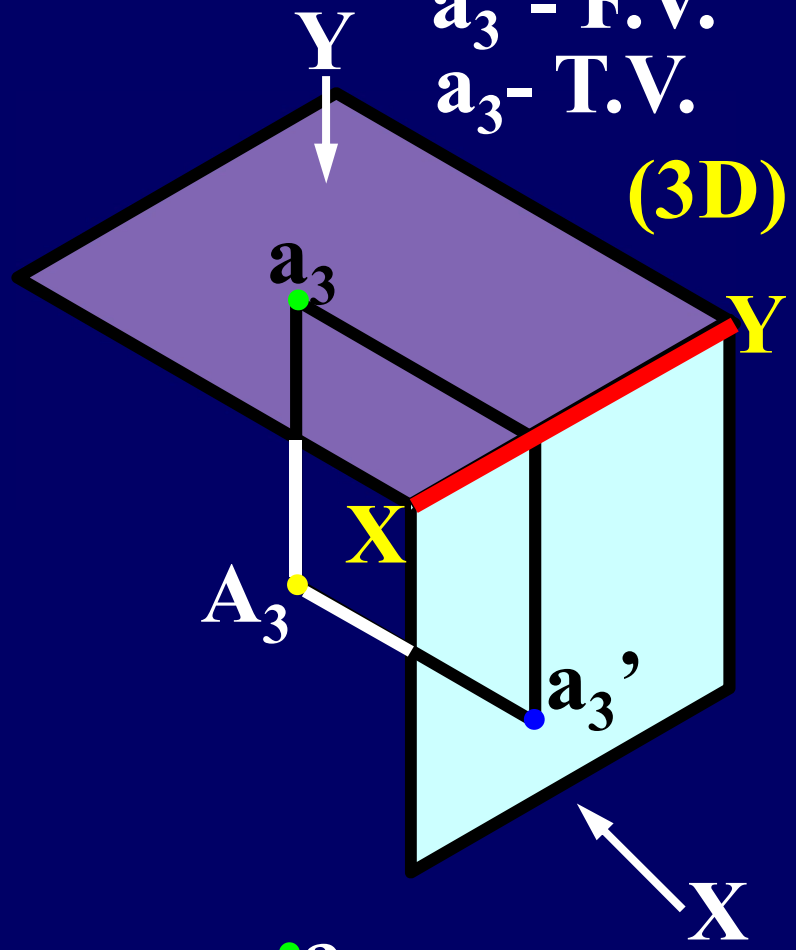
CONCLUSIONS:

In 3D	*In 2D*
Point, Above H.P.	F.V. Above XY
Point, Behind V.P.	T.V. Above XY

POSITION: 3 (III Qua.)

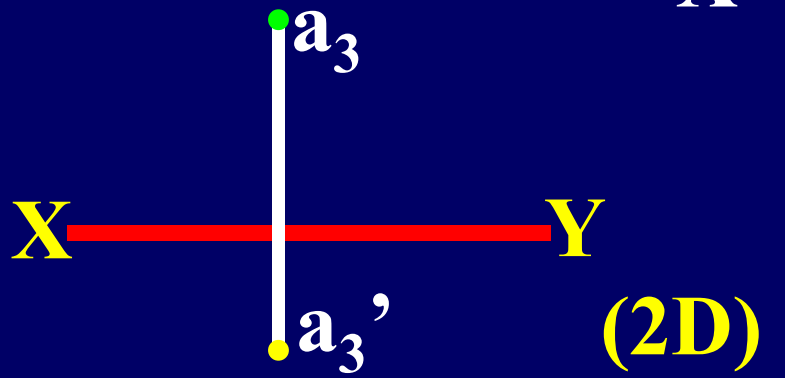
POINT A_3
- Below H.P.
- Behind V.P.

A_3- Point
a_3'- F.V.
a_3- T.V.



CONCLUSIONS:

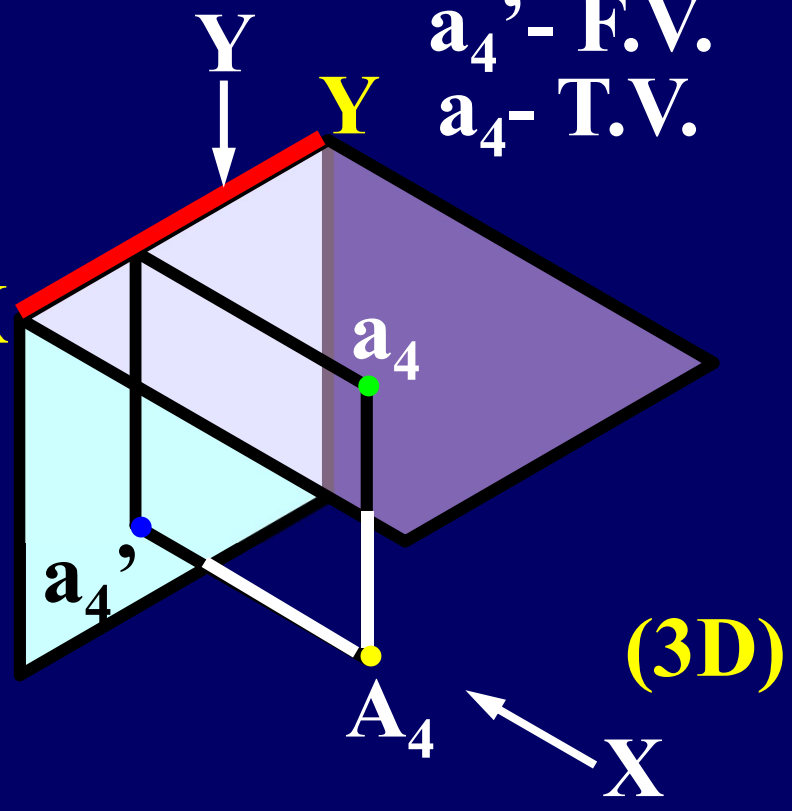
In 3D	*In 2D*
Point, Below H.P.	F.V. Below XY
Point Behind V.P.	T.V. Above XY



POSITION: 4 (IV Qua.)

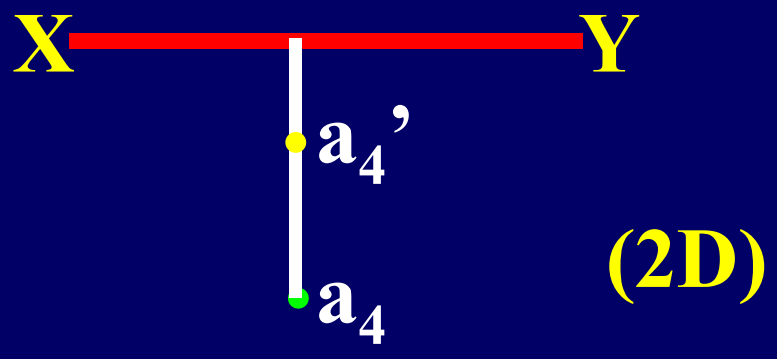
POINT A_4
- **Below H.P.**
- **In Front of V.P.**

A_4- Point
a_4'- F.V.
a_4- T.V.



CONCLUSIONS:

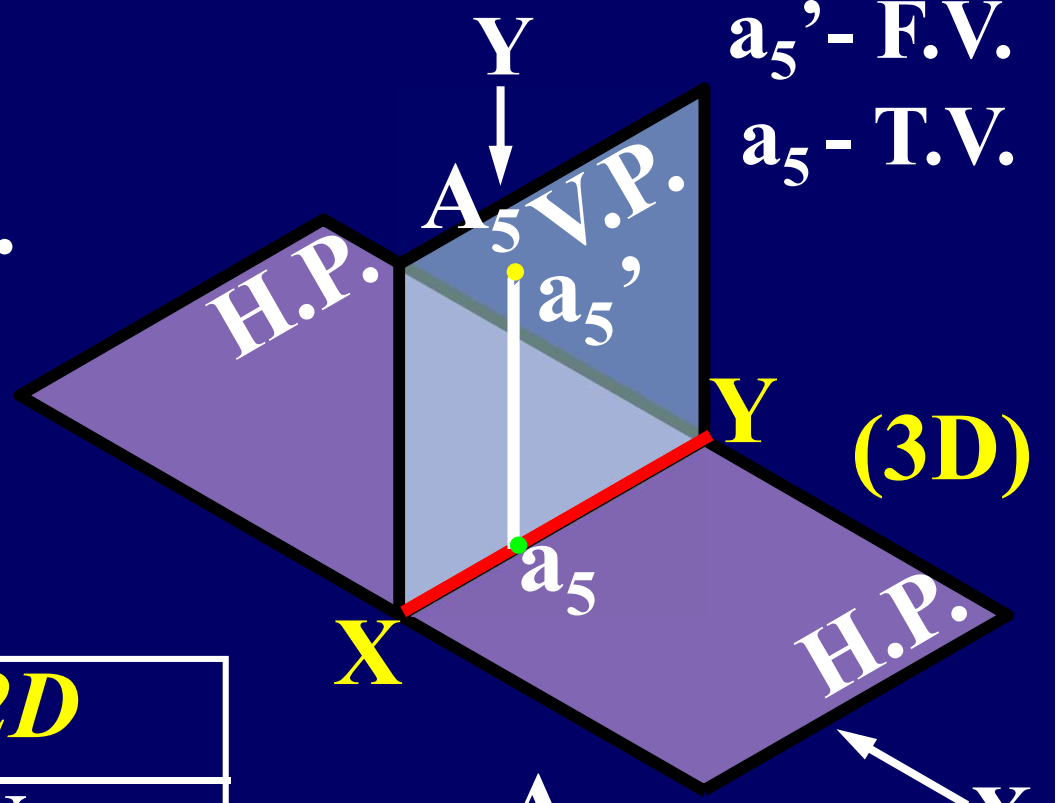
In 3D	*In 2D*
Point, Below H.P.	F.V. Below XY
Point, In Front Of V.P.	T.V. Below XY



POSITION: 5

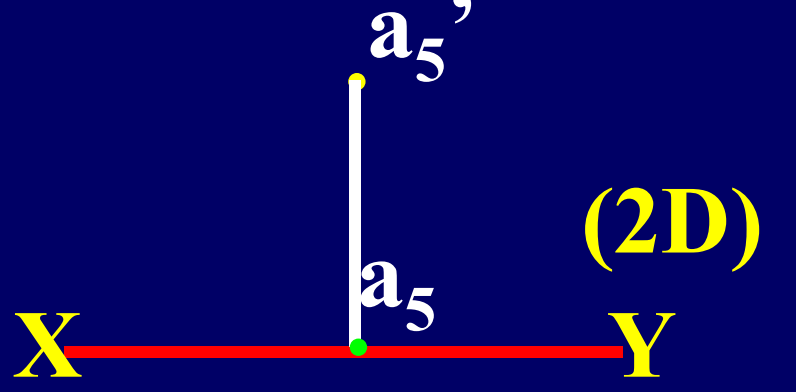
A_5- Point
a_5'- F.V.
a_5 - T.V.

POINT A_5
- Above H.P.
- In V.P.



CONCLUSIONS:

In 3D	*In 2D*
Point, Above H.P.	F.V. Above XY
Point, In V.P.	T.V. On XY

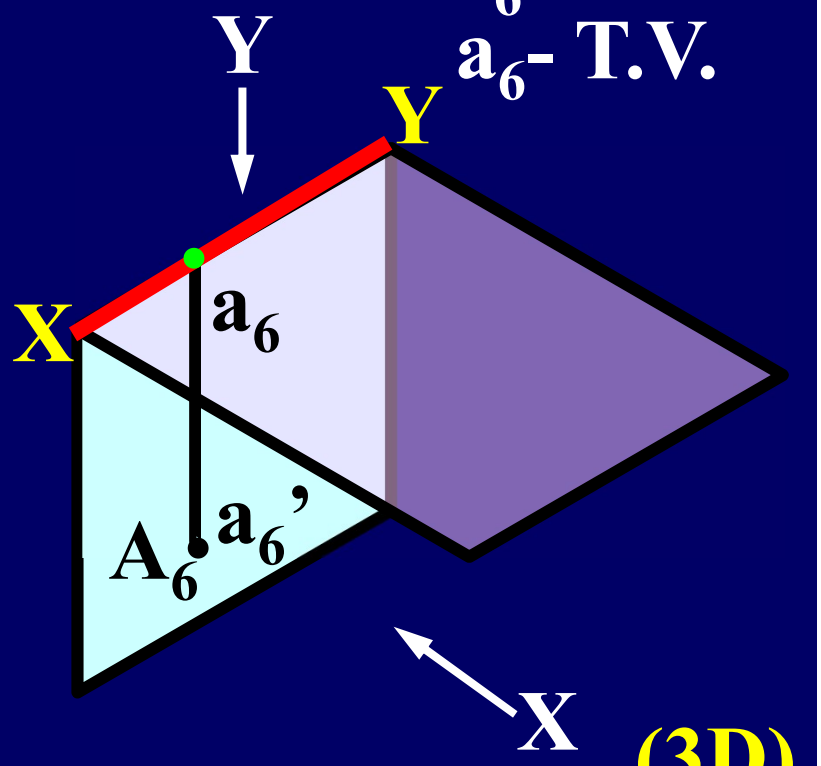


POSITION: 6

POINT A_6 — Below H.P.

POINT A_6 — In V.P.

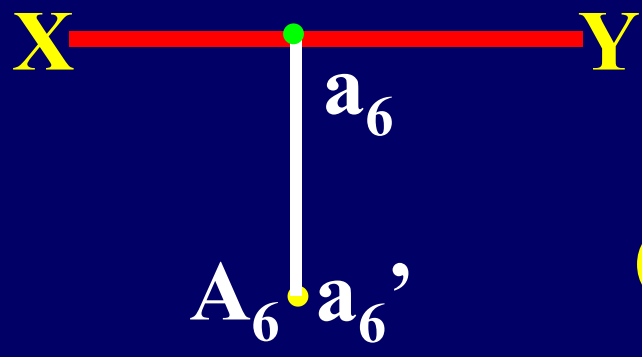
A_6- Point
a_6'- F.V.
a_6- T.V.



(3D)

CONCLUSIONS:

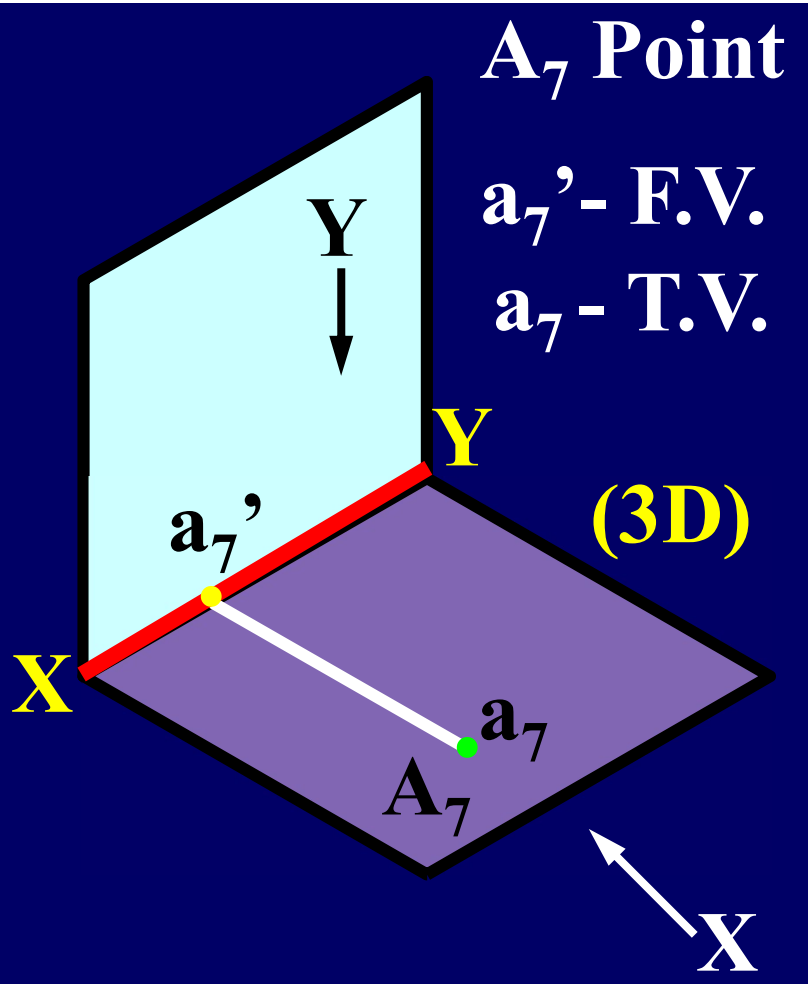
In 3D	*In 2D*
Point, Below H.P.	F.V. Below XY
Point In V.P.	T.V. On XY



(2D)

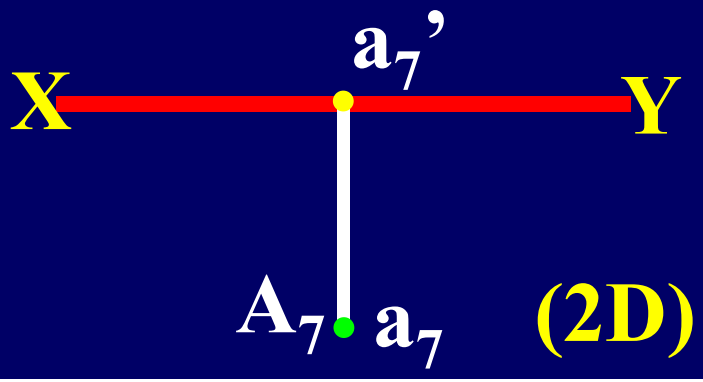
POSITION: 7

POINT A_7
- In H.P.
- In Front of V.P.



CONCLUSIONS:

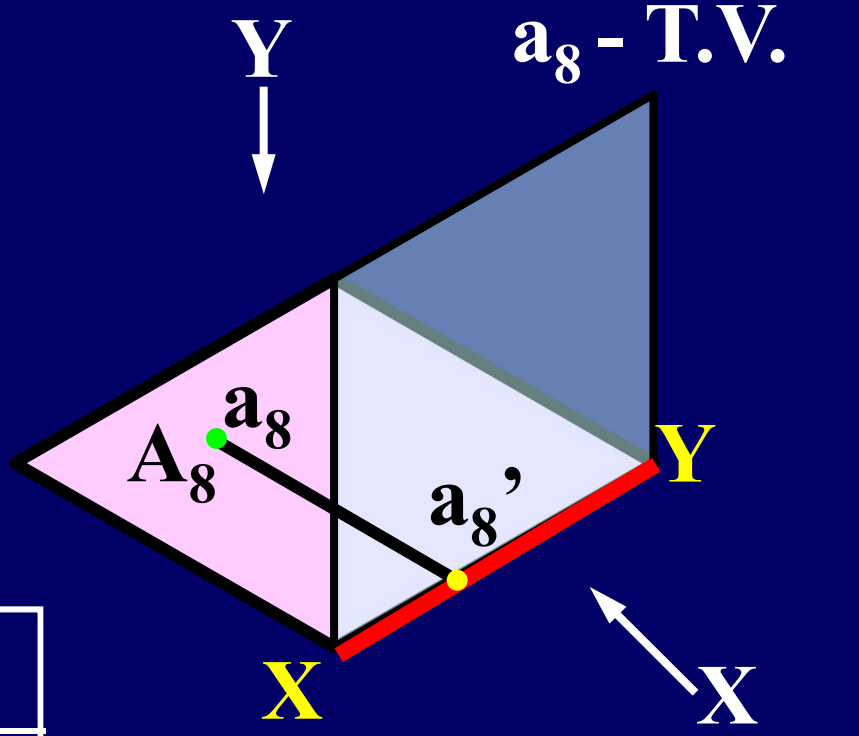
In 3D	*In 2D*
Point, In-Front Of V.P.	T.V. Below XY
Point In H.P.	F.V. On XY



POSITION: 8

A_8- Point
a_8'- F.V.
a_8 - T.V.

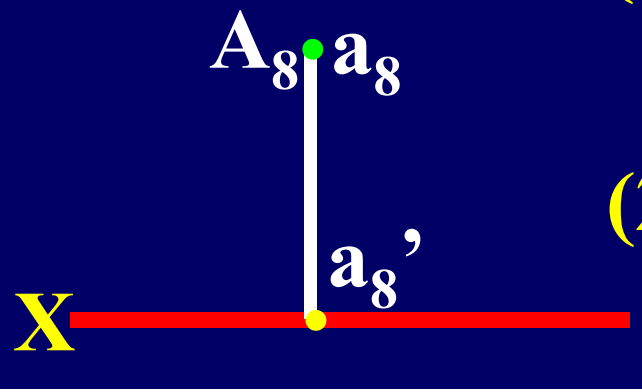
POINT A_8
- In H.P.
- Behind V.P.



(3D)

CONCLUSIONS:

In 3D	*In 2D*
Point, Behind V.P.	T.V. Above XY
Point, In H.P.	F.V. On XY



(2D)

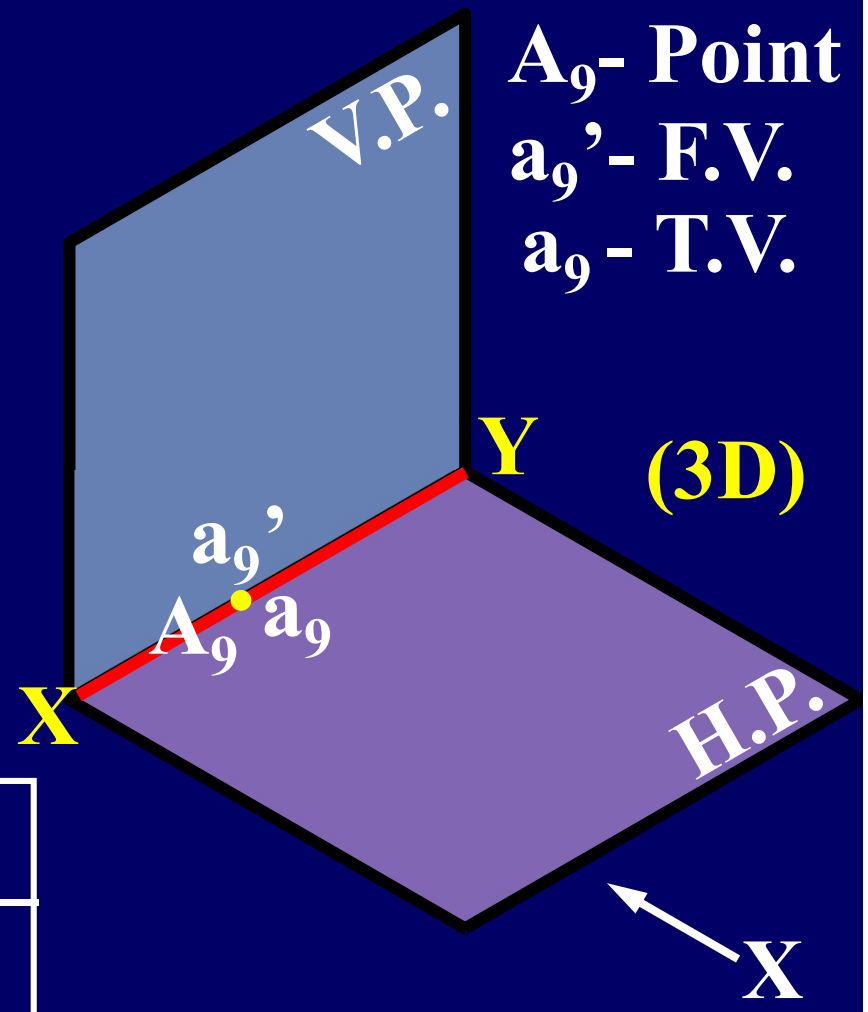
POSITION: 9

A_9- Point
a_9'- F.V.
a_9 - T.V.

POINT A_9 — In H.P / In V.P.

CONCLUSIONS:

In 3D	*In 2D*
Point, In H.P.	F.V. On XY
Point, In V.P.	T.V. On XY



(2D)