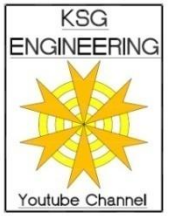
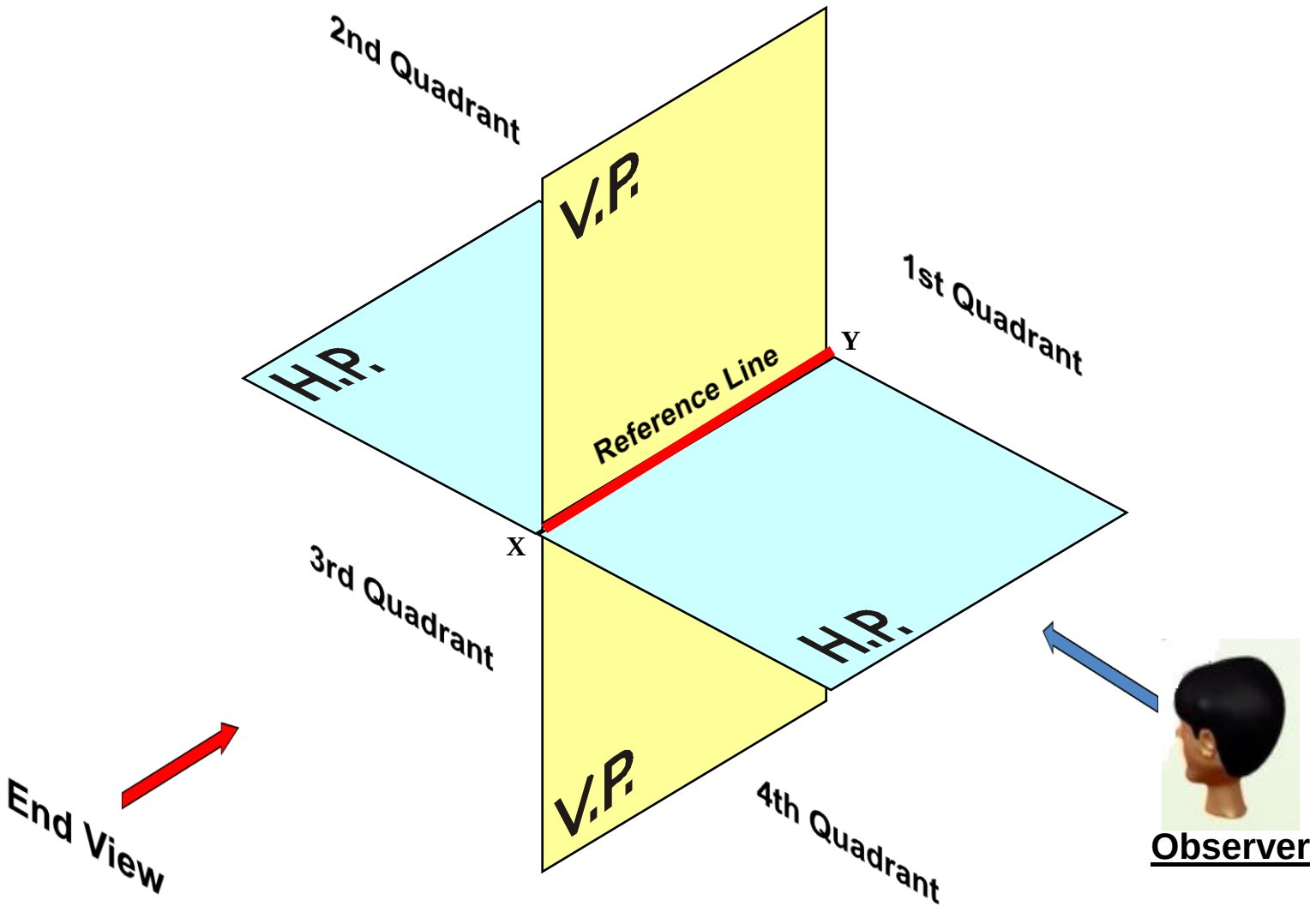
ENGINEERING GRAPHICS

Topic:
Quadrants

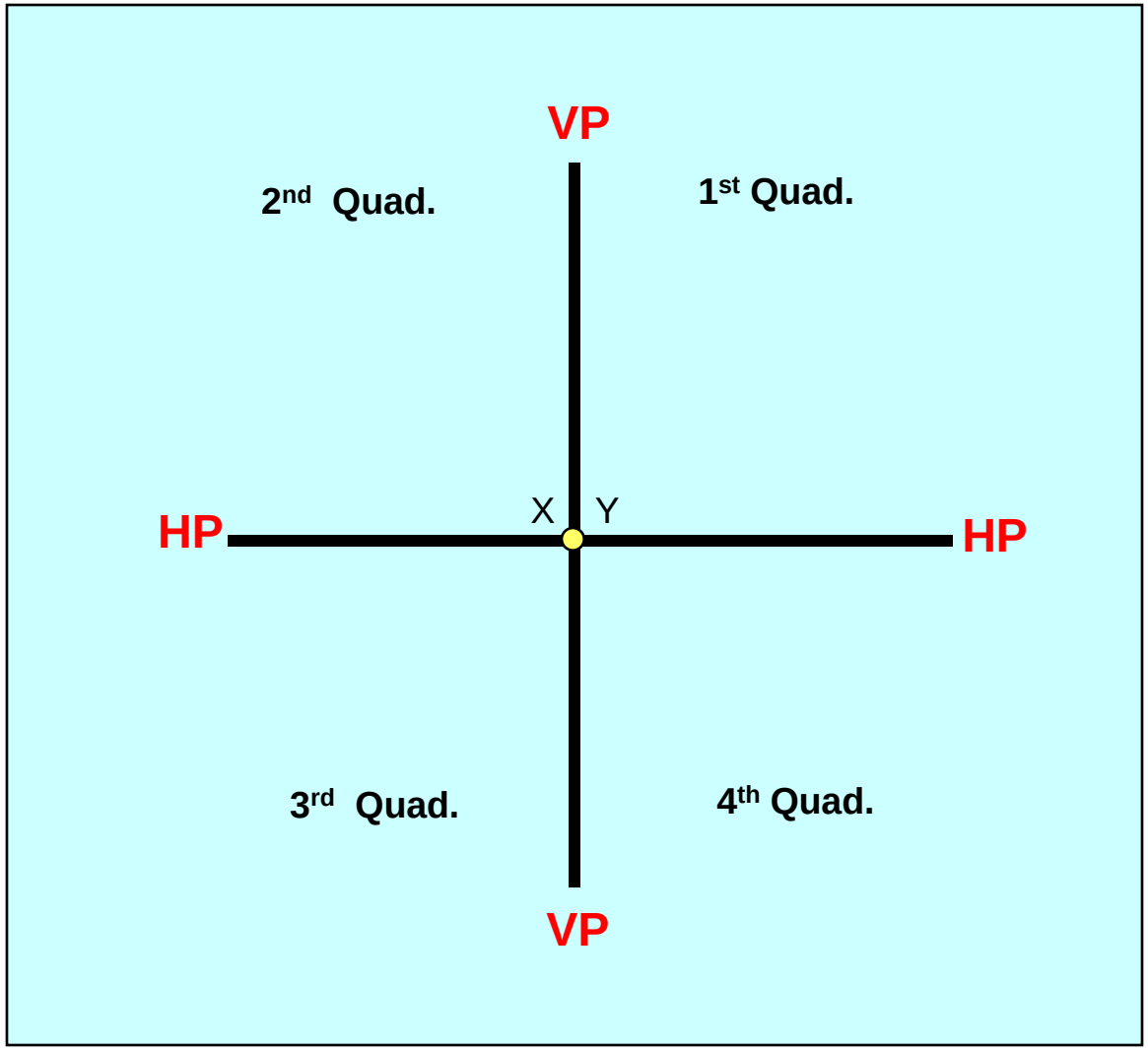
Video Lecture is at “KSG Engineering” Youtube Channel
https://www.youtube.com/watch?v=iKd9psMYHRw

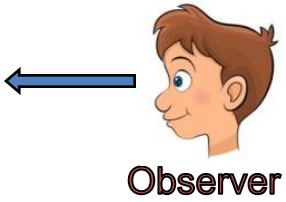


Quadrants


2nd Quadrant
V.P.
1st Quadrant
H.P.
Reference Line
Y
X
3rd Quadrant
H.P.
End View
V.P.
4th Quadrant
Observer

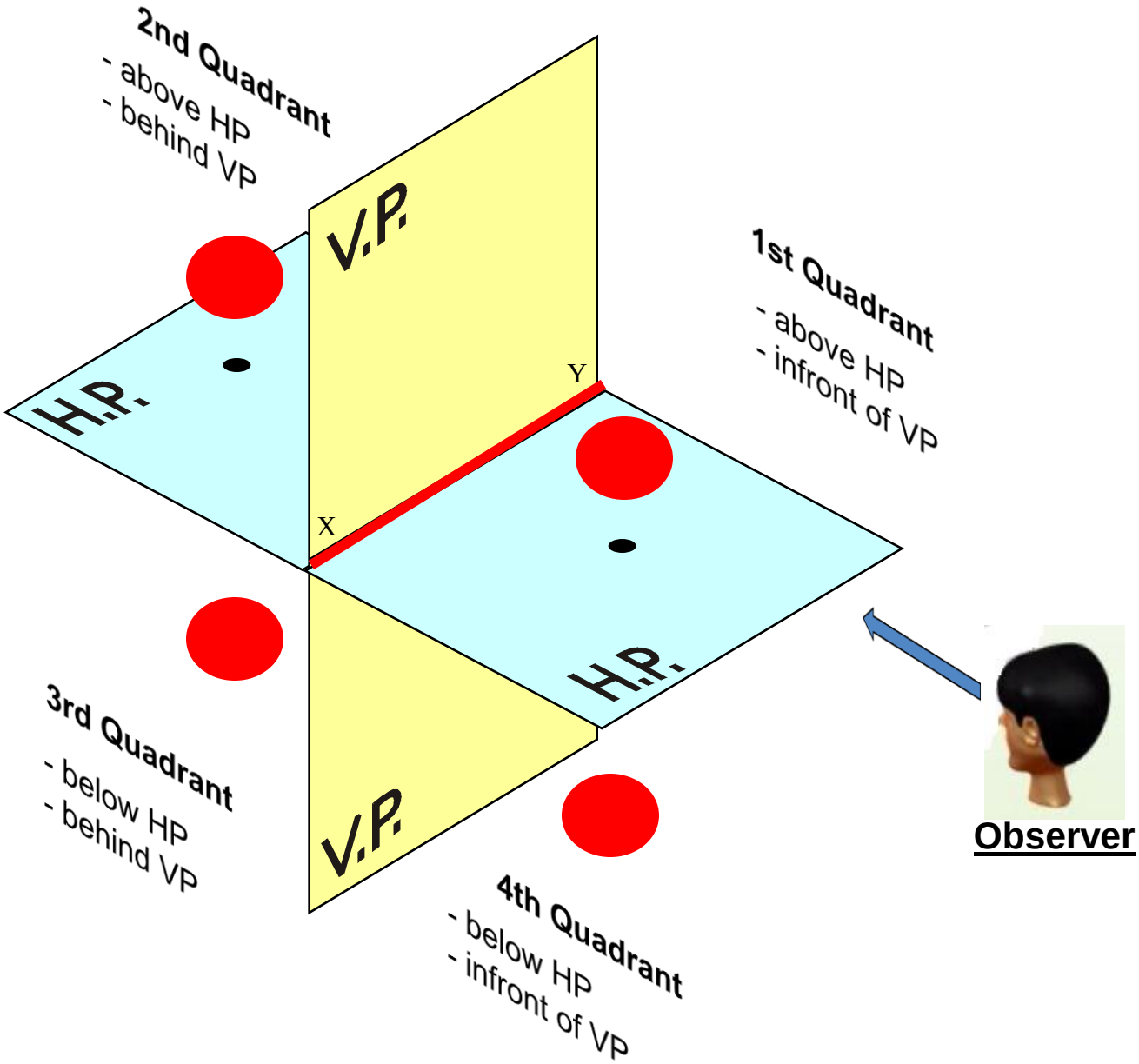
QUADRANTS



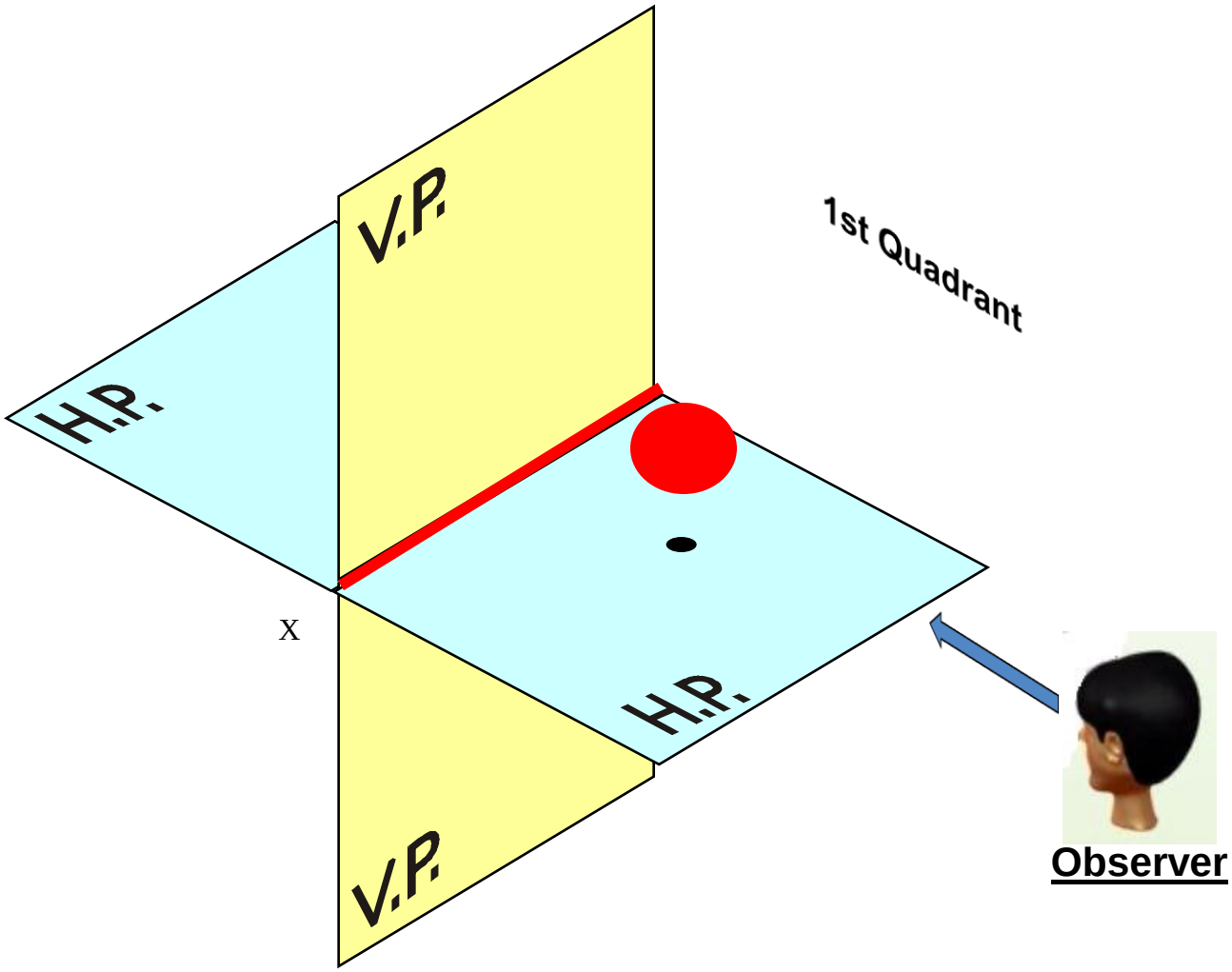


END VIEW OF QUADRANTS

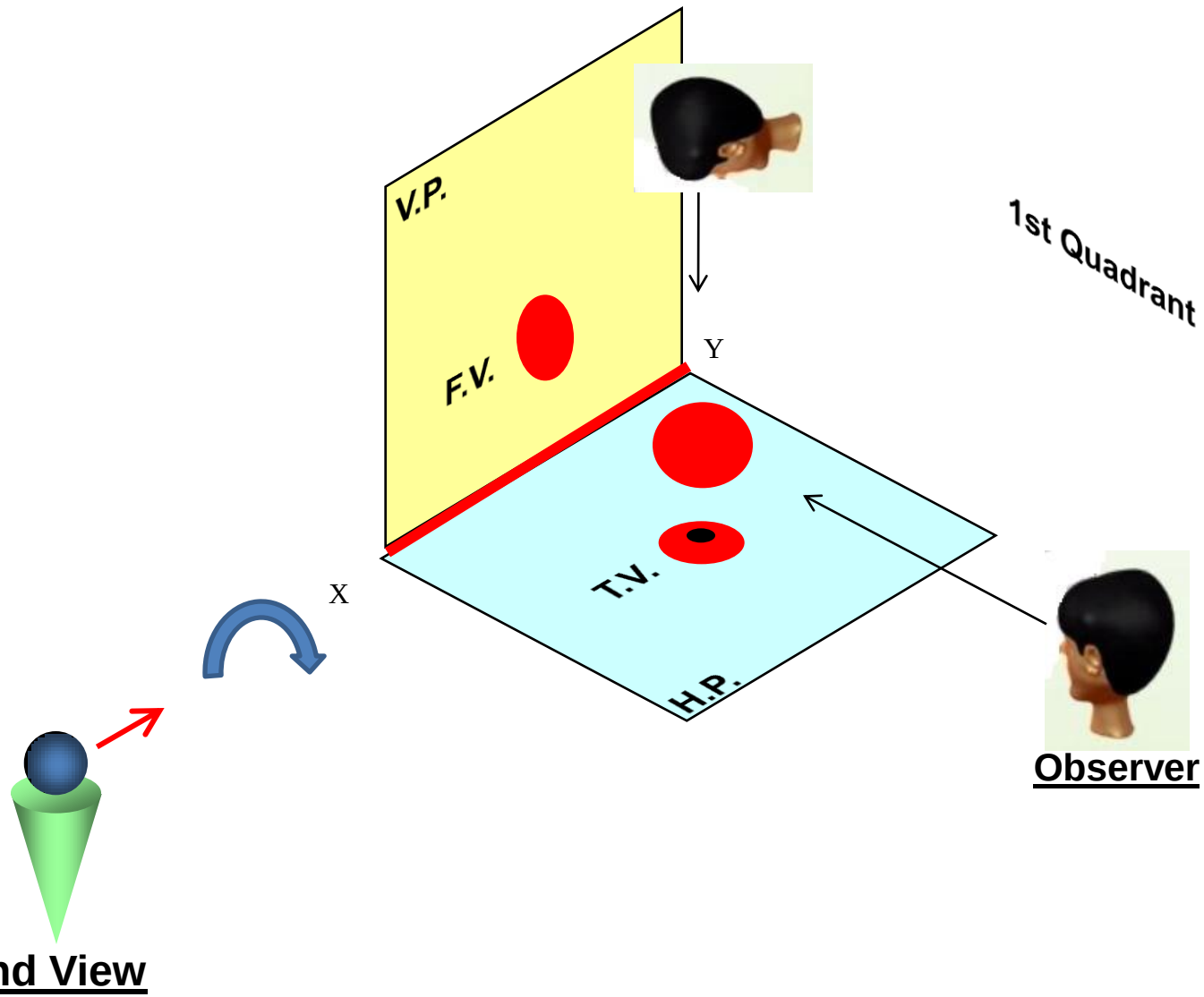
POSITION OF OBJECT IN QUADRANTS



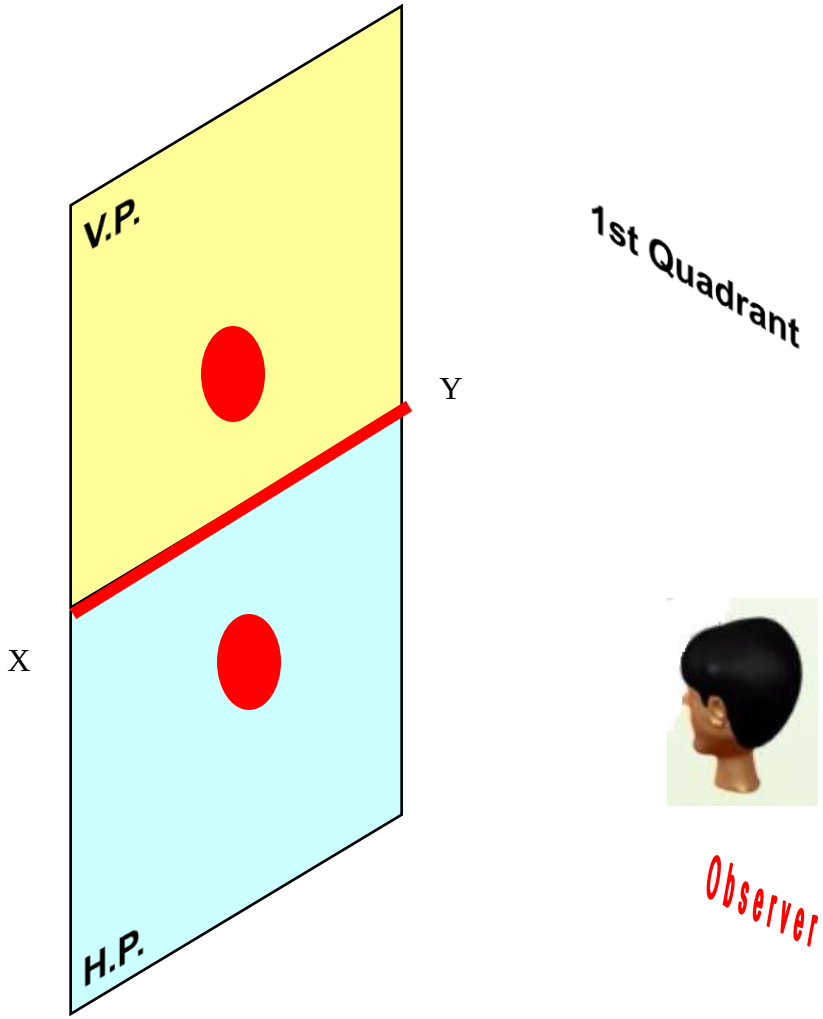
OBJECT IN FIRST QUADRANT



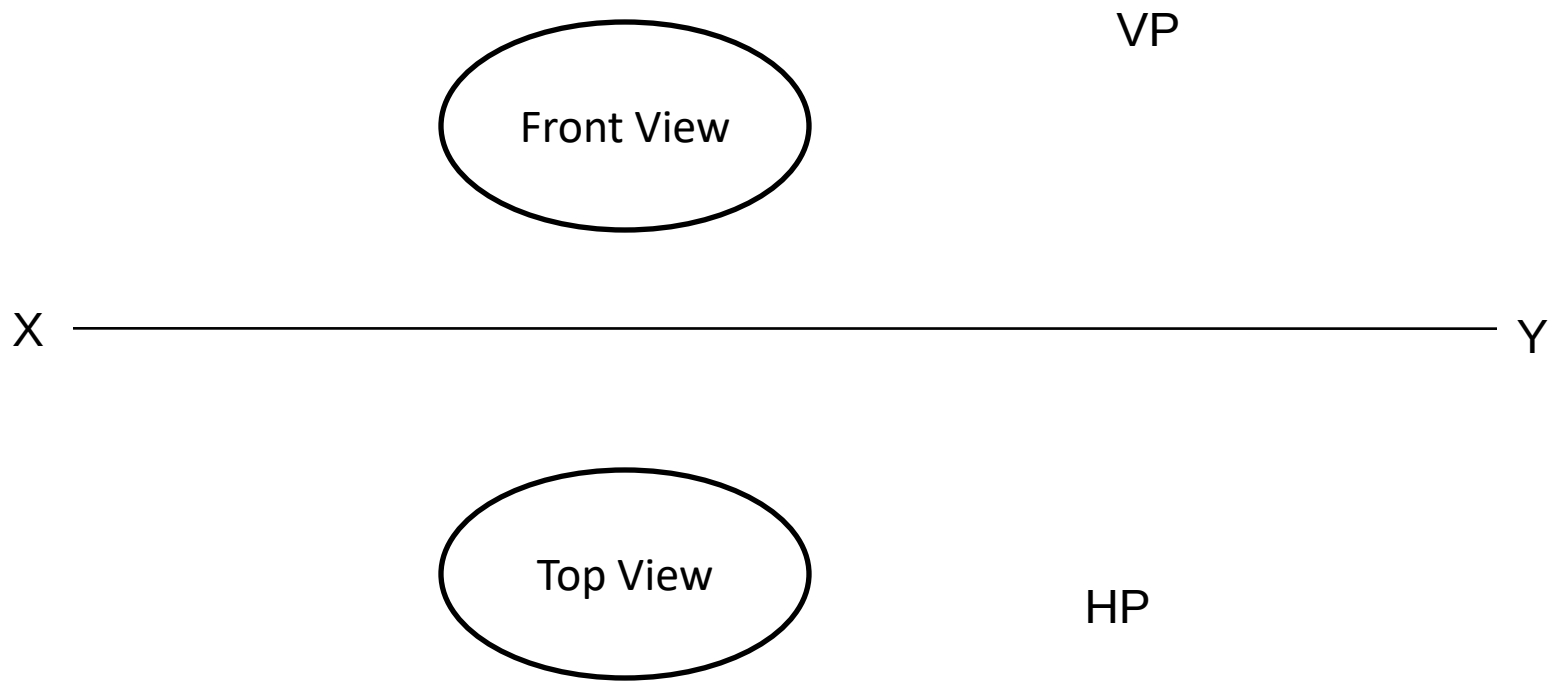
OBJECT IN FIRST QUADRANT



FIRST QUADRANT OPENS AFTER ROTATION OF HP

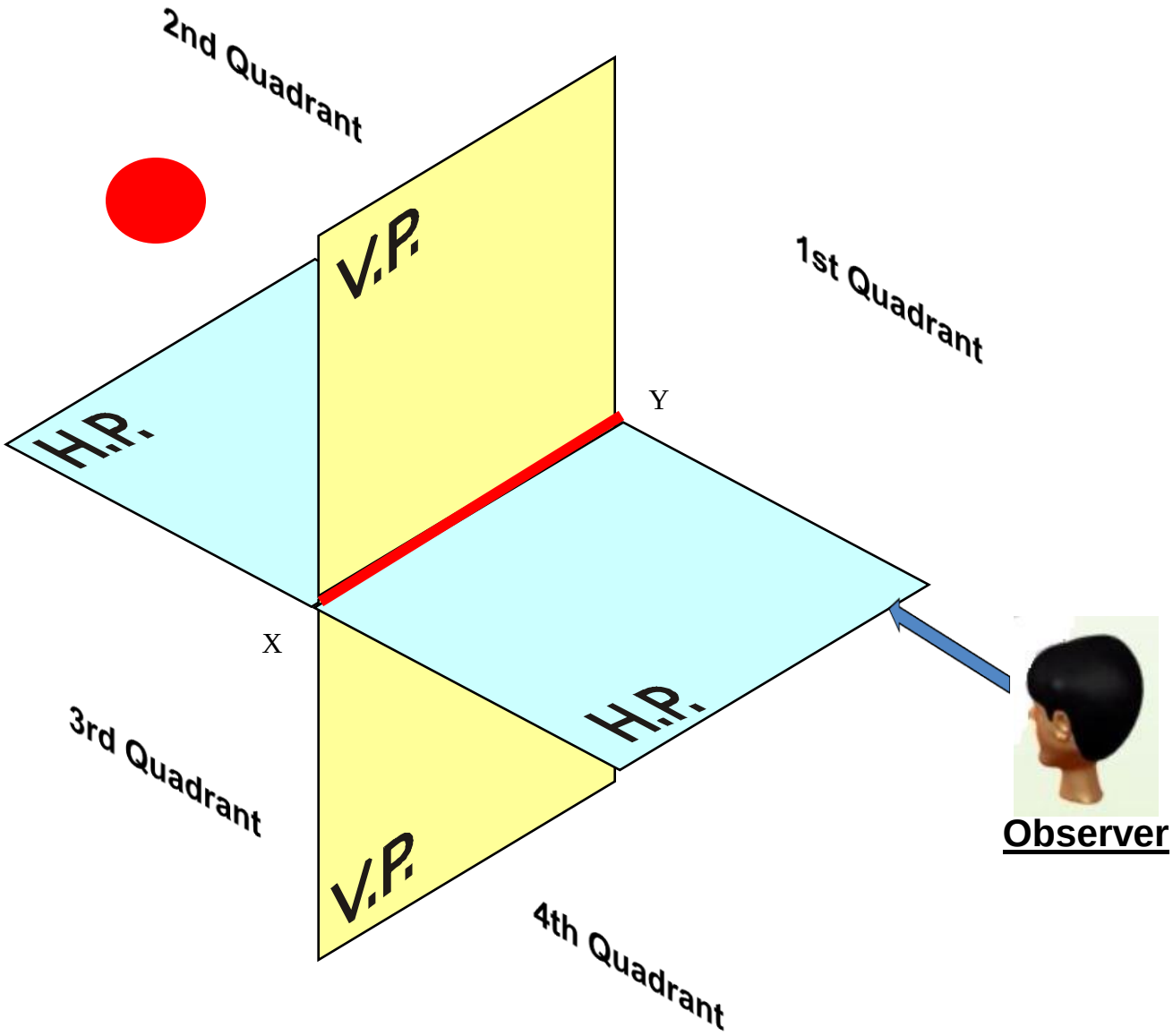


REPRESENTATION OF FIRST QUADRANT ON PAPER

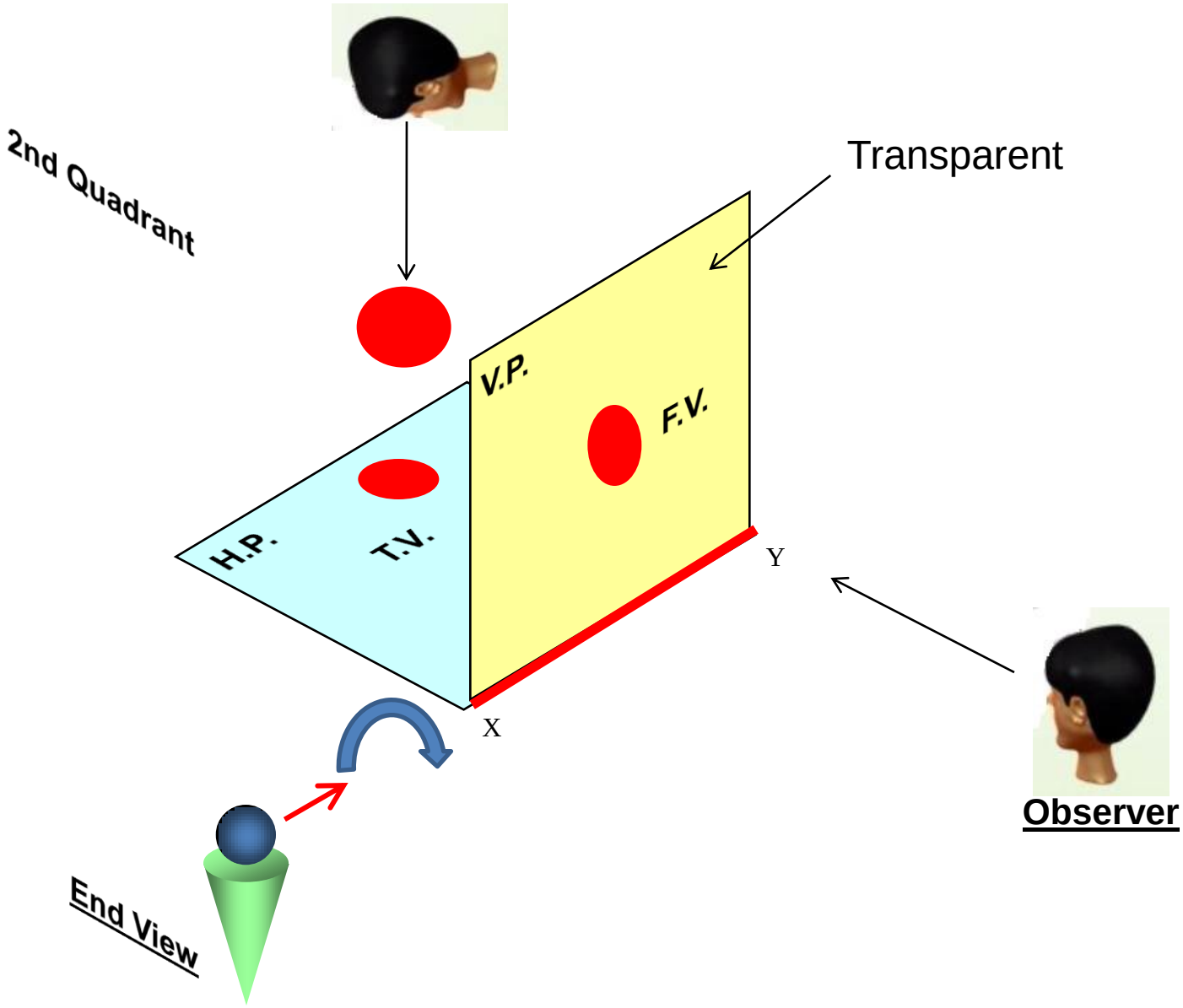


First angle of Projection Method

OBJECT IN SECOND QUADRANT

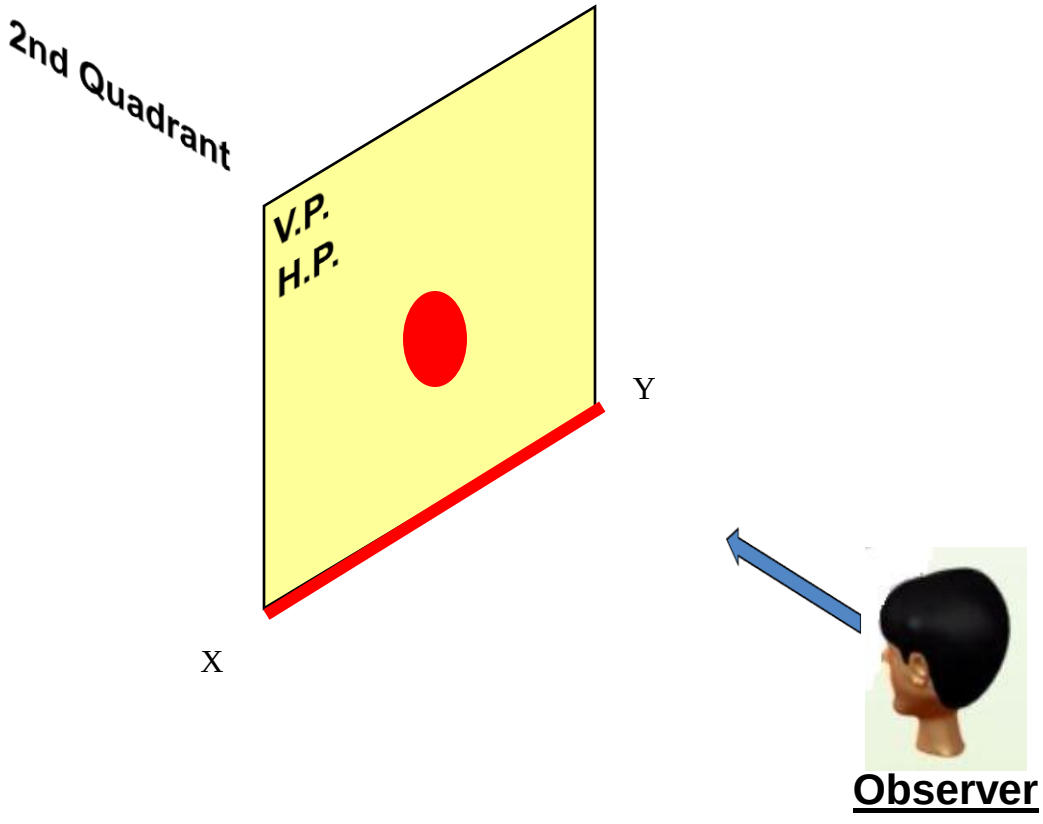


OBJECT IN SECOND QUADRANT

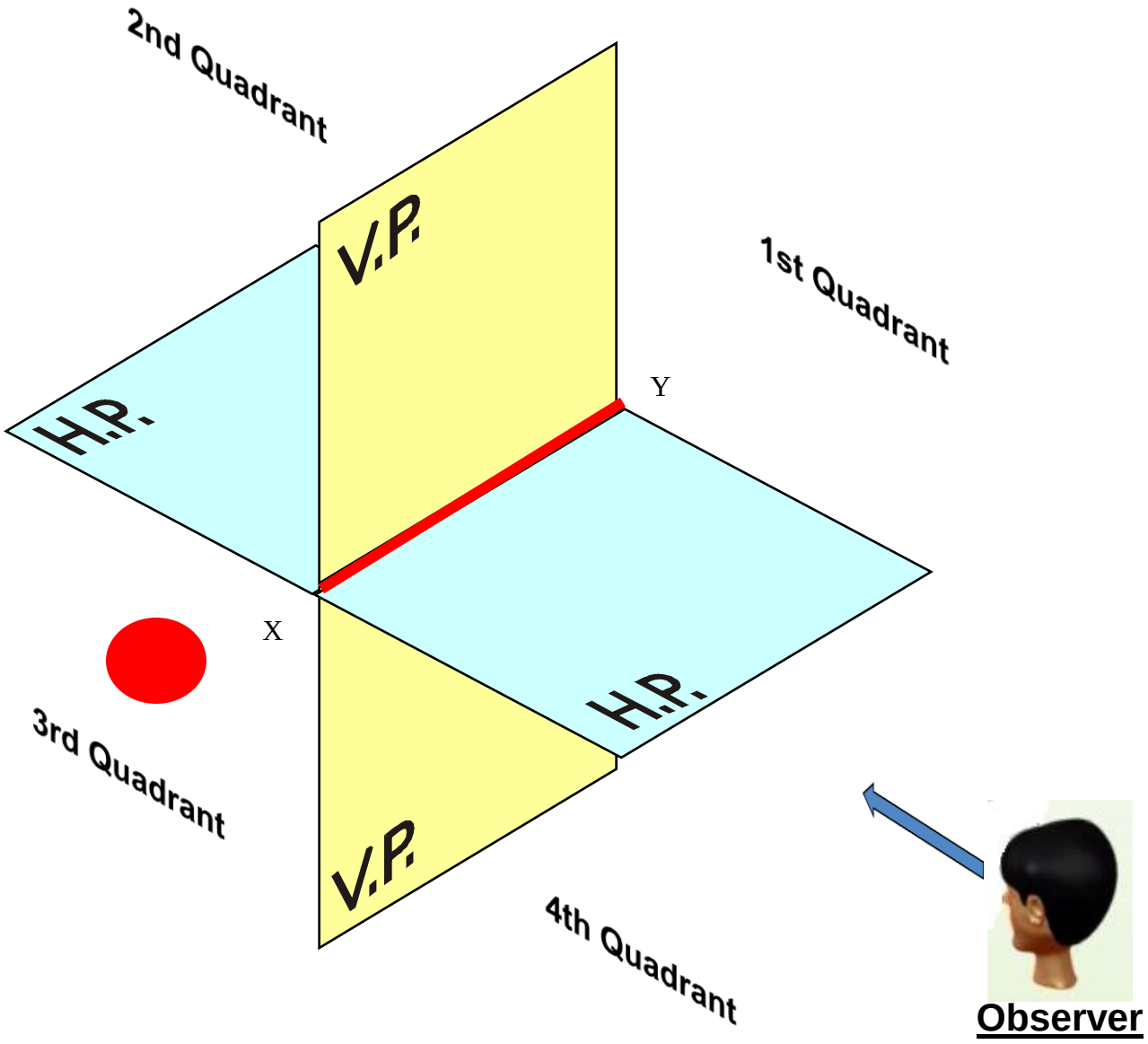


SECOND QUADRANT CLOSES AFTER ROTATION OF HP

2nd Quadrant is not used for drawing purpose.



OBJECT IN THIRD QUADRANT



OBJECT IN THIRD QUADRANT

Transparent

H.P.

T.V.

Y

Transparent

3rd Quadrant

X

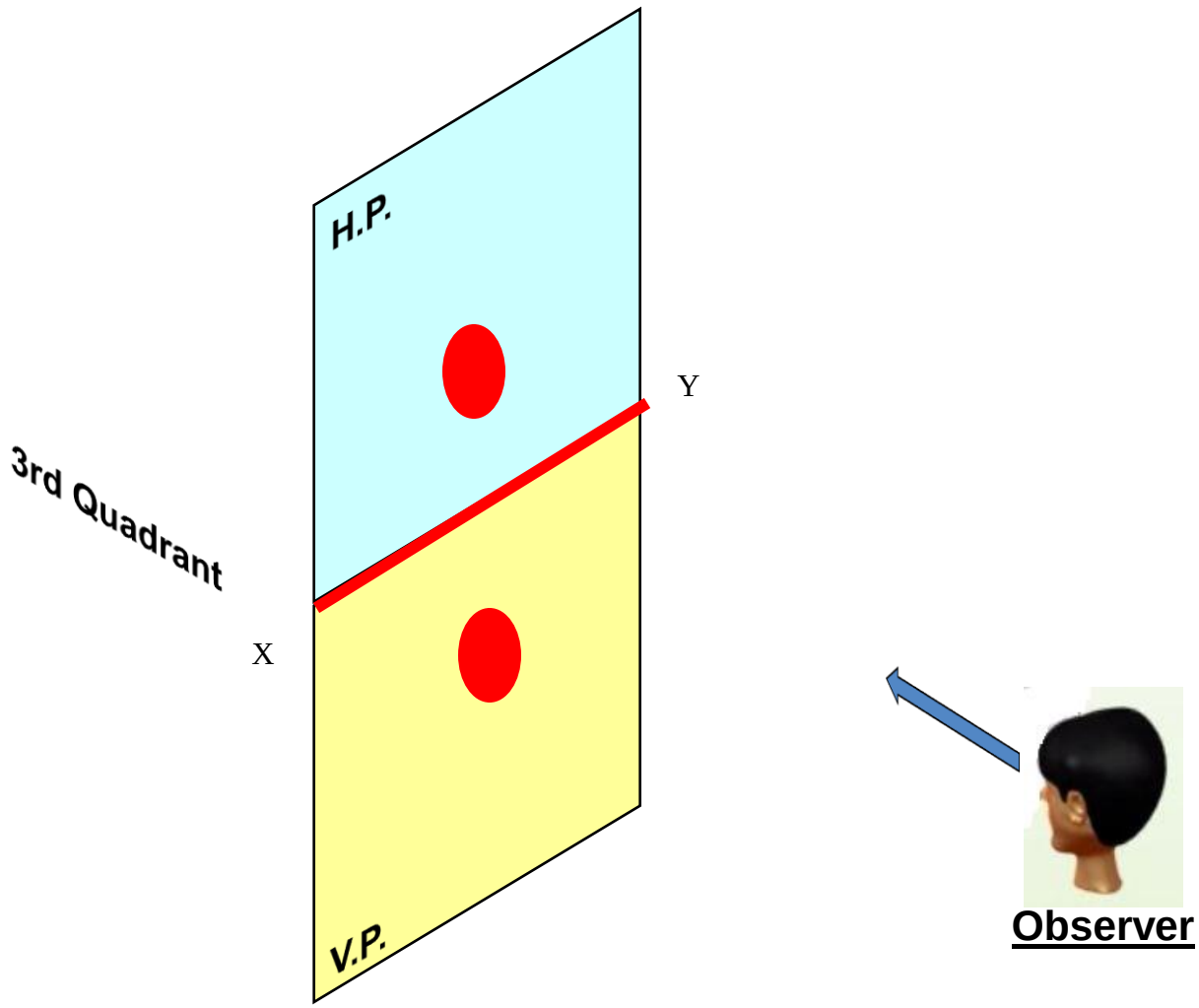
F.V.

V.P.

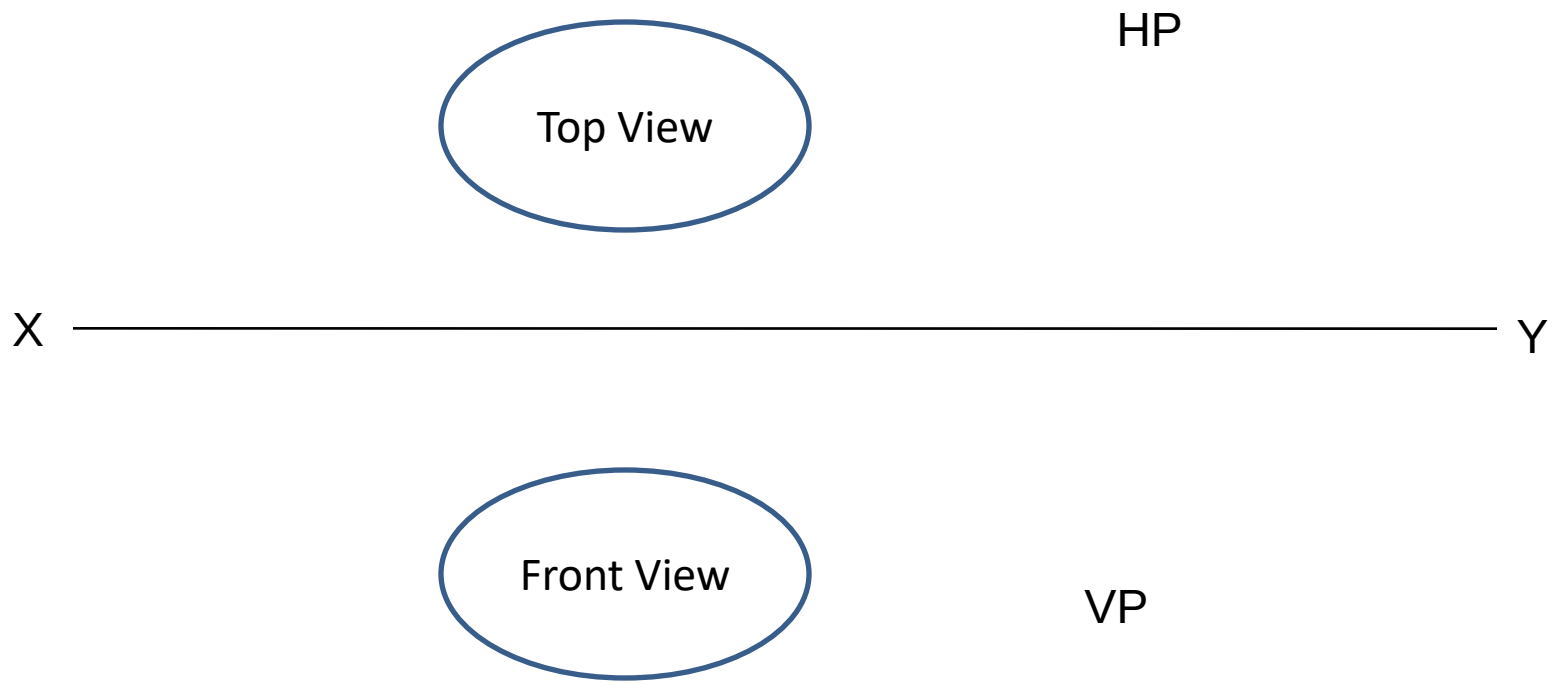
End View

Observer

THIRD QUADRANT OPENS AFTER ROTATION OF HP

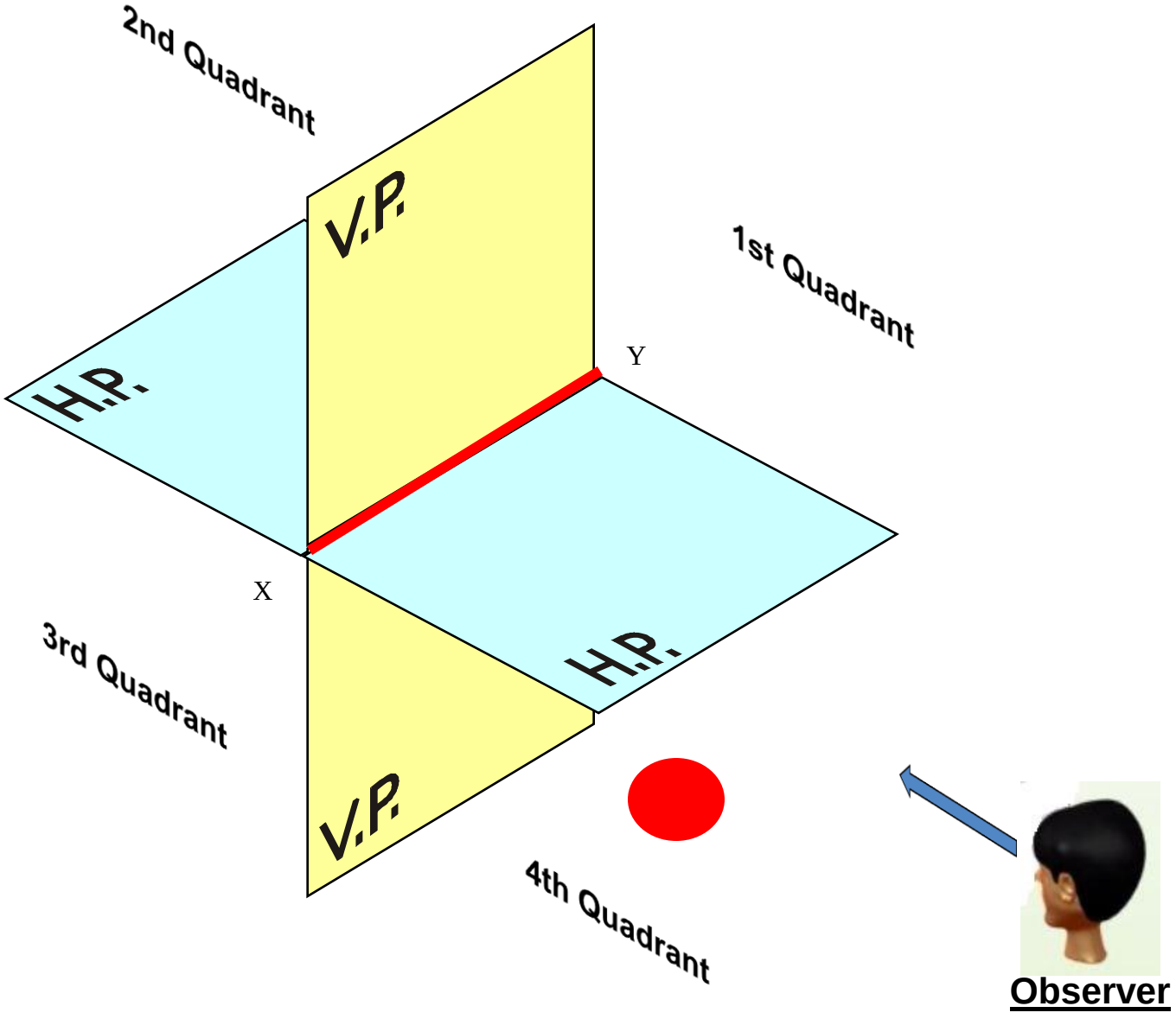


REPRESENTATION OF THIRD QUADRANT ON PAPER

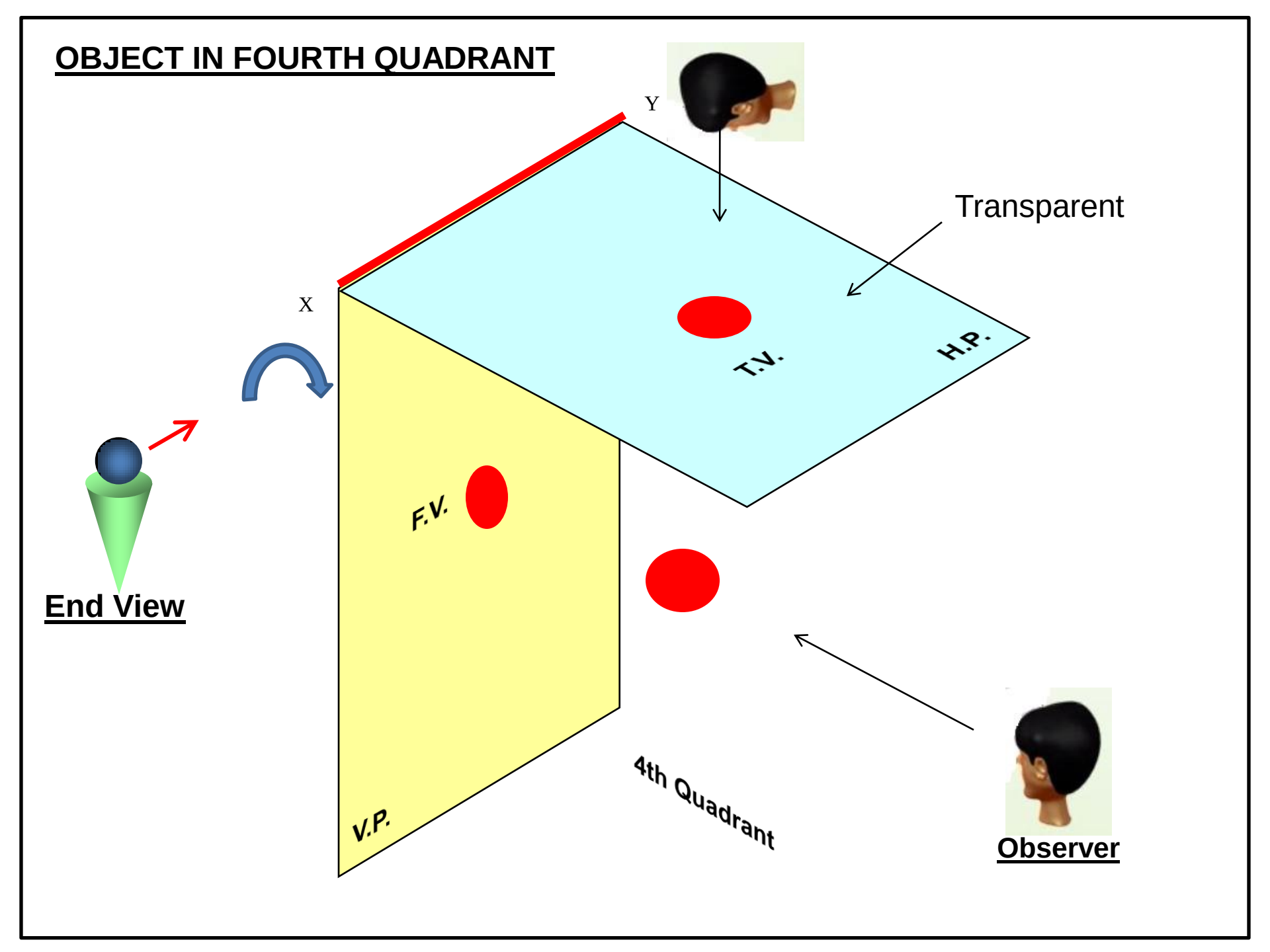


Third angle of Projection Method

OBJECT IN FOURTH QUADRANT

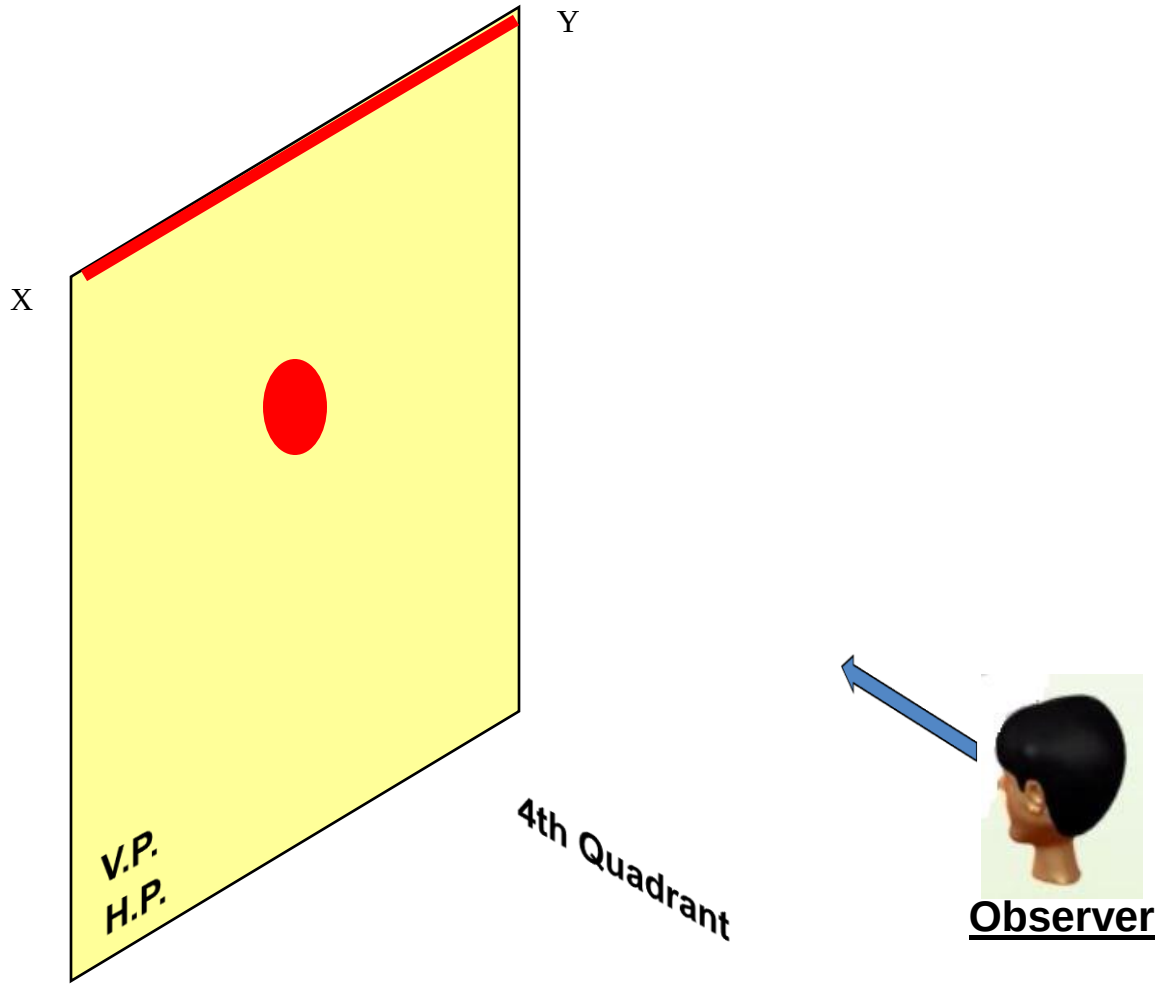


OBJECT IN FOURTH QUADRANT



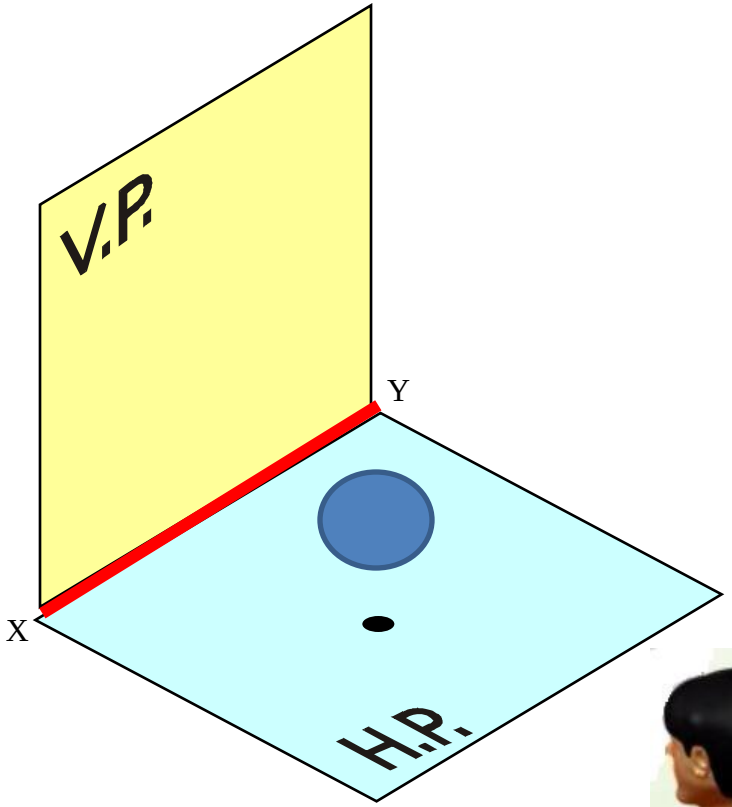
FOURTH QUADRANT CLOSES AFTER ROTATION OF HP

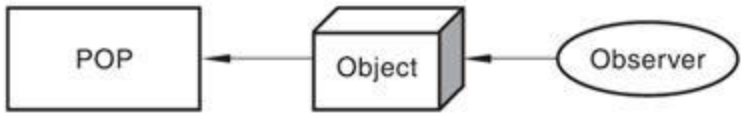
4th Quadrant is not used for drawing purpose.



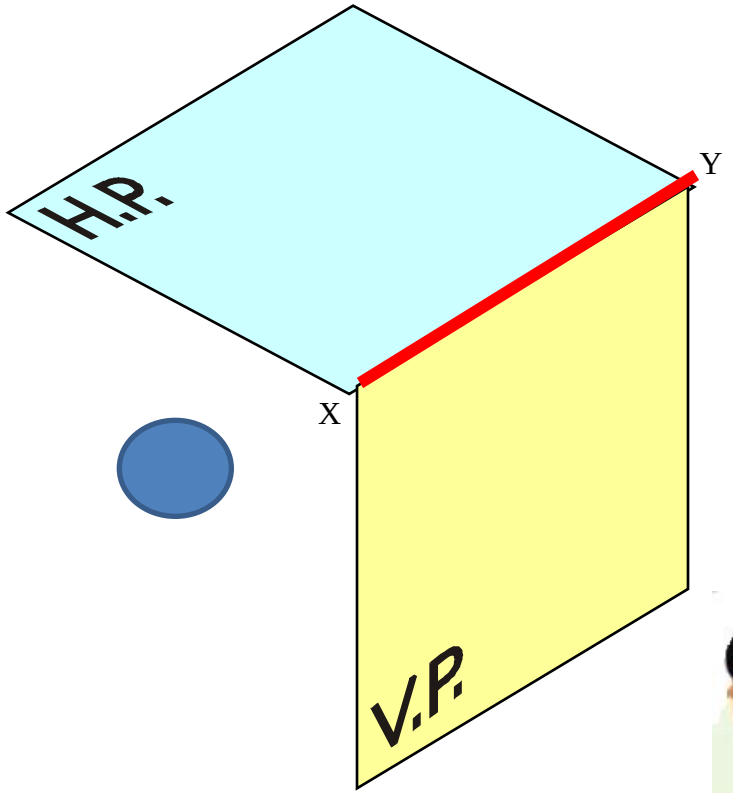
DIFFERENCE BETWEEN

FIRST ANGLE



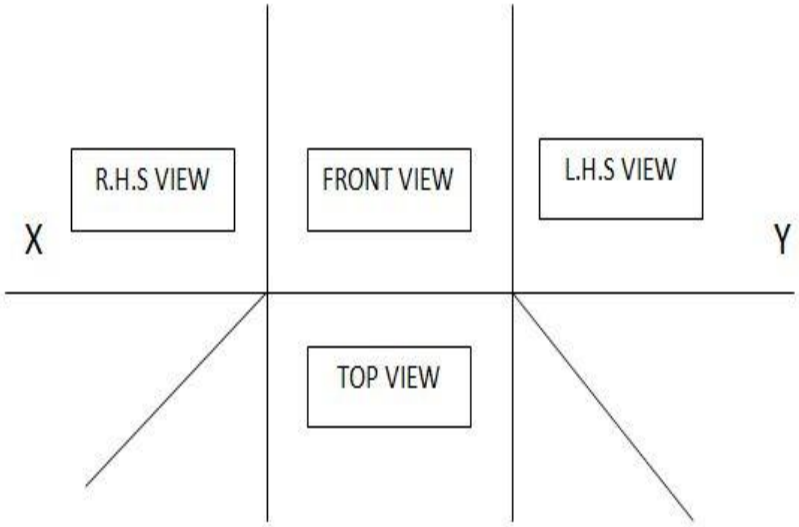


THIRD ANGLE



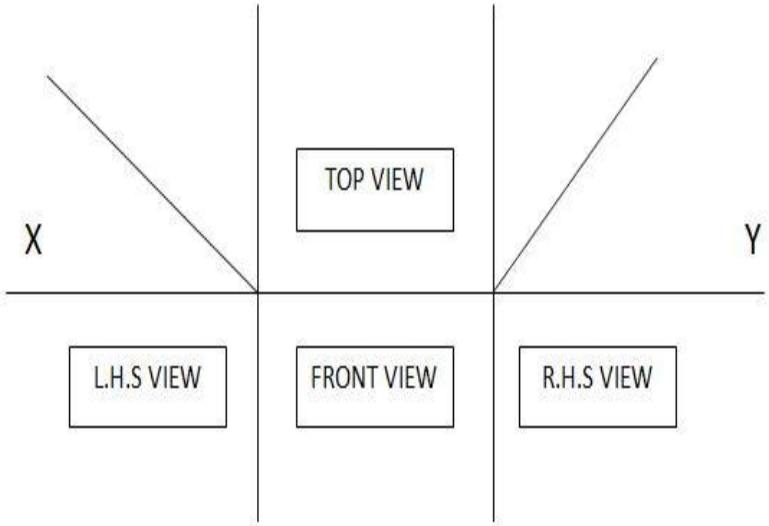
DIFFERENCE BETWEEN

FIRST ANGLE



FIRST ANGLE OF PROJECTION

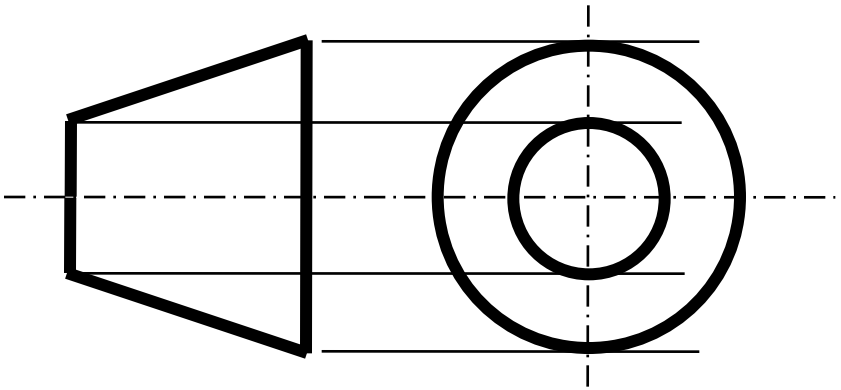
THIRD ANGLE



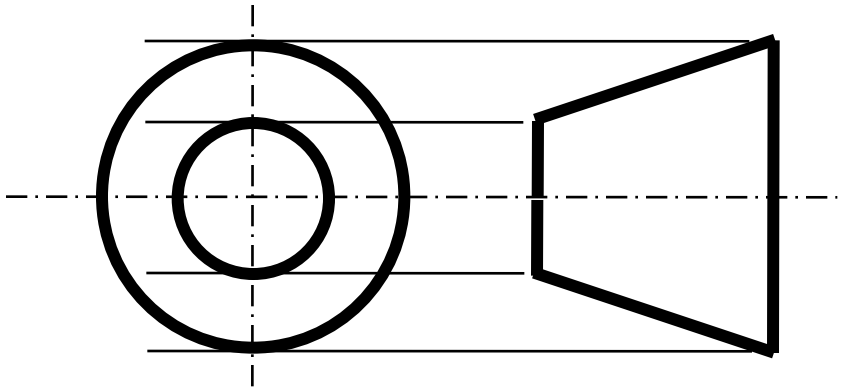
THIRD ANGLE OF PROJECTION

SYMBOLS

FIRST ANGLE



THIRD ANGLE



Thanks