PROJECTION OF POINTS, LINES AND PLANE SURFACES


## Things to be remembered

## Entity

## General Applications

Suitable
Pencil
Thick Point

Continuous thin line

Lettering
Arrow Head

Point
Reference line (XV), Dimension line,
Extension line, Projector

Title, Sub-title, Dimension text etc.
HB
Dimension and Leader lines

## Concept Problem in First Angle Praection



## Concept Problem in First Angle Projection



## Concept Problem in First Angle Projecti Dmensonnal

Above HP, In front of VP . . . 1st Quadrant . . . $\frac{\text { FV }}{\text { TV }}$





## Types of Multi-view Orthographic, Projection

- First angle projection
- Second angle projection
- Third angle projection
- Fourth angle projection

|  | 2nd <br> Quadrant <br> Quadrant <br> QP |
| :--- | :--- |
|  |  |
| 3rd <br> Quadran t | 4th <br> Quadrant |


|  |  | drants <br> 1st Quadrant |
| :---: | :---: | :---: |
|  |  | Above HP, In front of VP |
| 2nd | 1st |  |
| Quadrant | Quadrant | 2nd Quadrant |
|  | --HP | Above HP, Behind VP |
|  |  | 3rd Quadrant |
| 3 rd | 4th | Below HP, Behind VP |
| Quadrant | Quadrant |  |
|  |  | 4th Quadrant |
|  |  | Below HP, In front of VP |









## Orthographic Projection

Observer's eye or Station Point


