

Date: 08 – 04 - 2024

1. Draw the projections of the line AB, 90 mm long, its mid point m being 50 mm above the HP and 40 mm in front of VP. The end A is 20 mm above the HP and 10 mm in front of VP. Show the traces and inclinations of the line with the HP and the VP.
2. The front view of a 125 mm long line PQ measures 75 mm and its top view 100 mm. Its end Q and the mid point M are in the first Quadrant, M being 20 mm from both the planes. Draw the projections of the line PQ.
3. A line AB, 75 mm long is in the second quadrant with the end A in the H.P. and at 45° to the VP. Draw the projections of AB and determine its traces.
4. The top view of a 75 mm long line CD measures 50 mm. C is 50 mm in front of the VP and 15 mm below the H.P. D is 15 mm in front of the V.P. and is above the H.P. Draw the front view of CD and find its inclinations with the H.P. and the VP show also its traces.

5. $\alpha = 45^{\circ}$

$$FVL = 65 \text{ mm}$$

A is in HP.

V.T is 15 mm below the HP

$$\phi = 30^{\circ}$$

Find the true length AB, θ, β and allocate H.T.