

ASSIGNMENT - 3 - PROJECTION OF POINT AND LINE

1. Draw the projections of the following points on the same X-Y line.
 - a) A point 'A' 40 mm below HP and 40 mm in front of VP.
 - b) A point 'B' 35 mm above HP and 45 mm in front of VP.
 - c) A point 'C' on the VP and 30 mm above HP.
 - d) A point 'D' on the VP and HP both.
2. A line AB, 70 mm long is inclined at an angle of 45° to the VP its end point 'A' is on the HP and 25 mm in front of the VP. Draw the projections of line assuming the line is in the first quadrant.
3. A line AB, 75 mm long is inclined at an angle of 35° to the HP and 55° to the VP. Its end point A is on the HP and 15 mm in front of VP. Draw the projections of line assuming the line is in the first quadrant.
4. The distance between end projectors of the line PQ is 130 mm point P is 40 mm below HP and 25 mm in front of VP. Point Q is 75 mm above HP and 30 mm behind VP. Draw the projection of line and find out its true length and inclination with HP and VP.
5. A line AB is having its end A is 10 mm, above HP and 30 mm in front of VP. The end B is below HP and behind VP. Draw the projections of line AB if the plan length is 80 mm. also, find the true length of the line.