

PENANG SANGAM HIGH SCHOOL
 P. O. BOX 44, RAKIRAKI
 LESSON NOTES - 14

SCHOOL: PENANG SANGAM HIGH

SUBJECT: TECHNICAL DRAWING

YEAR/ LEVEL: 13 A/B

Strand	TD13.1 GEOMETRY
Sub - Strand	TD13.1.1 Plane & Space Geometry
Content Learning Outcome	TD13.1.1.1 Find the true length, edge view , dihedral angle and the true shape of the plane

SKEW LINES

Learning Outcomes

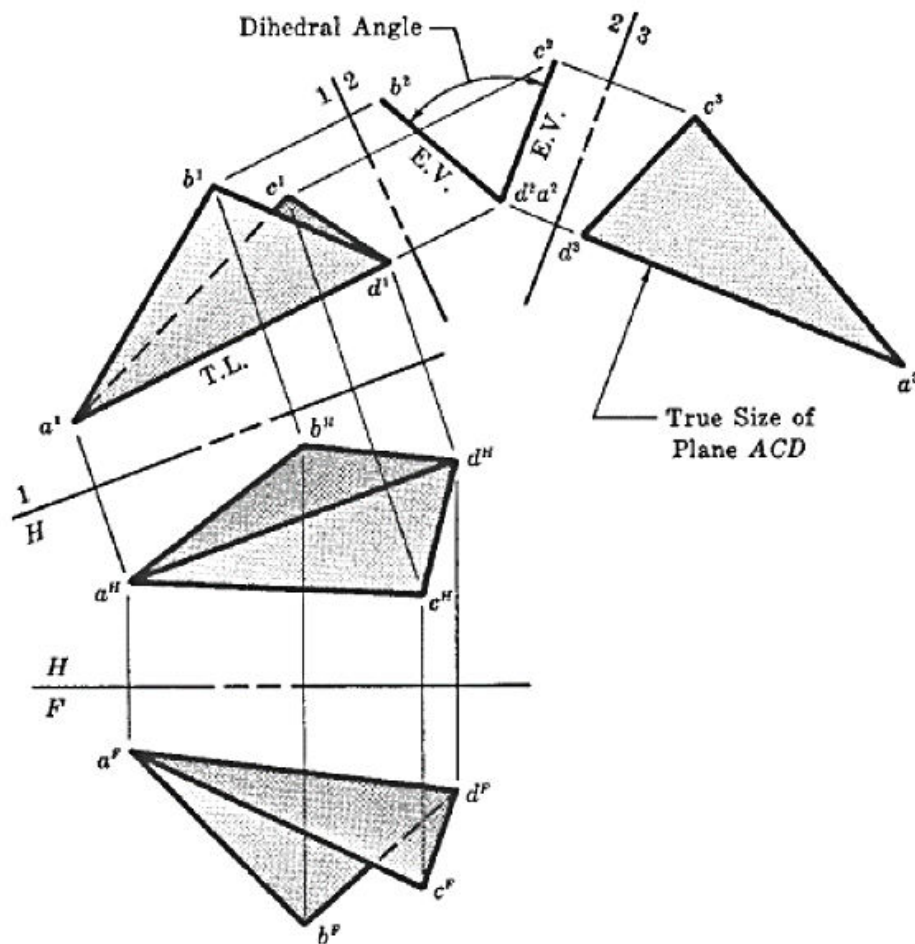
By the end of this topic, students will:

- a) identify the true length, edge view , dihedral angle and the true shape of the plane.

Dihedral Angle

Is the true angle between the two connected planes.

WORKED EXAMPLE



STEPS

1. An auxiliary elevation view is drawn showing the line of intersection AD in its true length.
2. The inclined view 2 is then drawn to show the line of intersection as a point.
3. This view also shows the two given planes as edges.
4. The dihedral angle is measured between the two edge views.
5. Since inclined view 2 shows the edge views of both planes, an additional view projected from each edge view will show the true size of each plane.
6. Inclined view 3 shows the true size of plane ACD.

QUESTION 1

Given: The plan and the elevation of two connected planes.

Required: To find the dihedral angle and the true shape of the planes.

