



AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB)

Faculty of Engineering

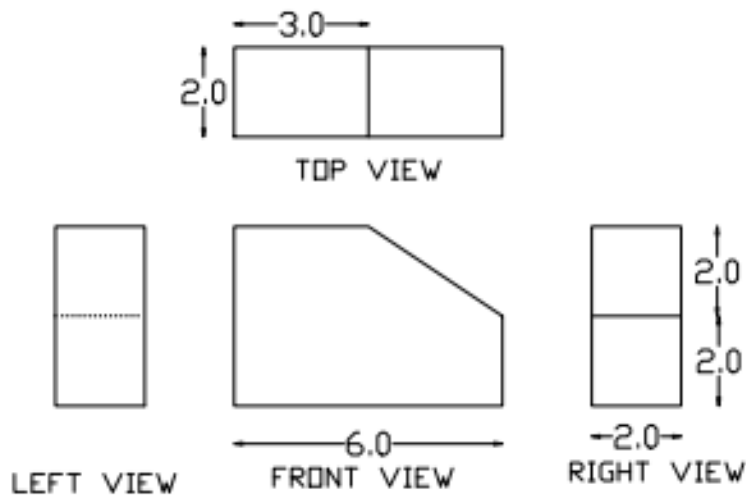
Bachelor of Science in Electrical and Electronic Engineering (EEE)

BAE 2101: Computer Aided Design and Electrical Drafting

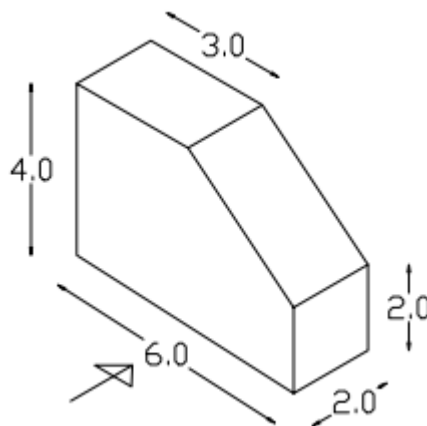
Experiment # 04: Design the Isometric view from orthographic view based on projection criteria using AutoCAD Software – Part I.

Objective: To familiarize the students with the orthographic and isometric projection in engineering drawing based on projection criterion.

Example 4.1: Orthographic (Third Angle Projection) to Isometric Projection. All units are in cm.

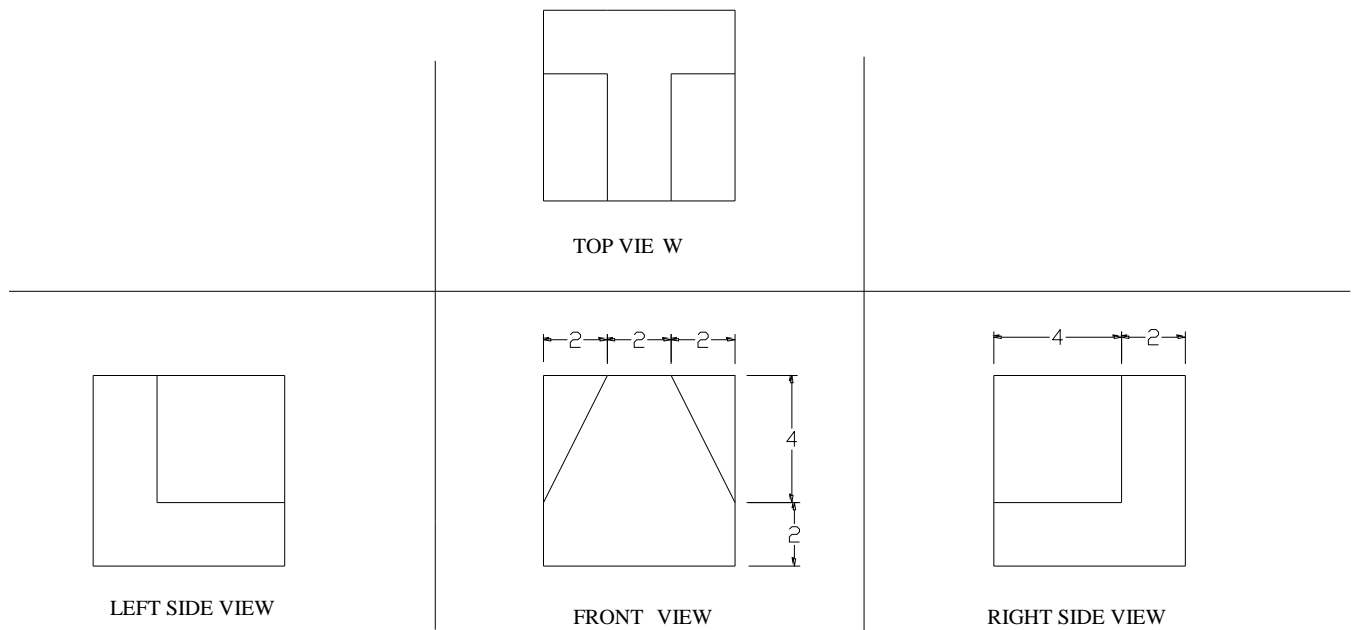


ORTHOGRAPHIC PROJECTION

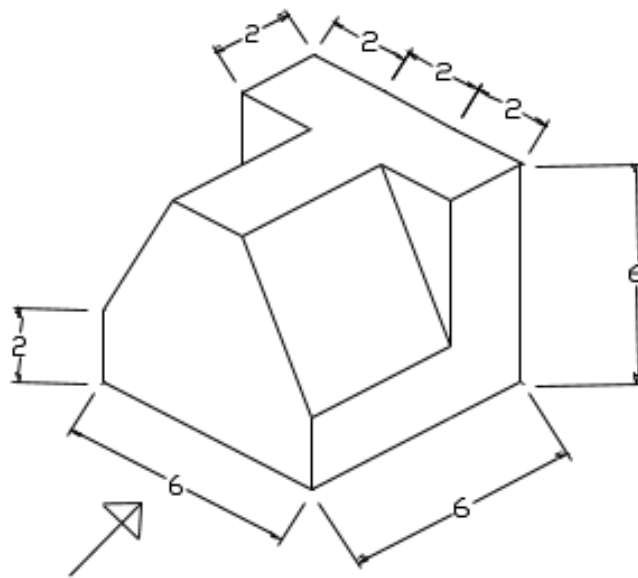


ISOMETRIC PROJECTION

Example 4.2: Orthographic (Third Angle Projection) to Isometric Projection. All units are in cm.

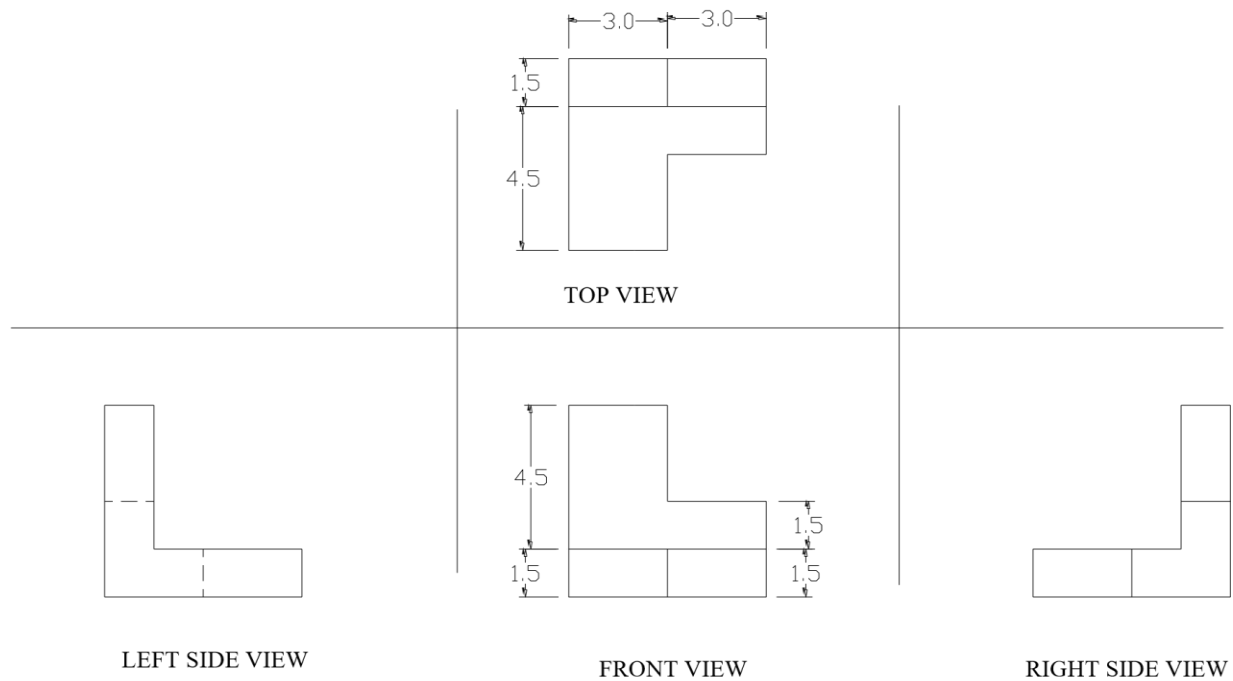


ORTHOGRAPHIC PROJECTION

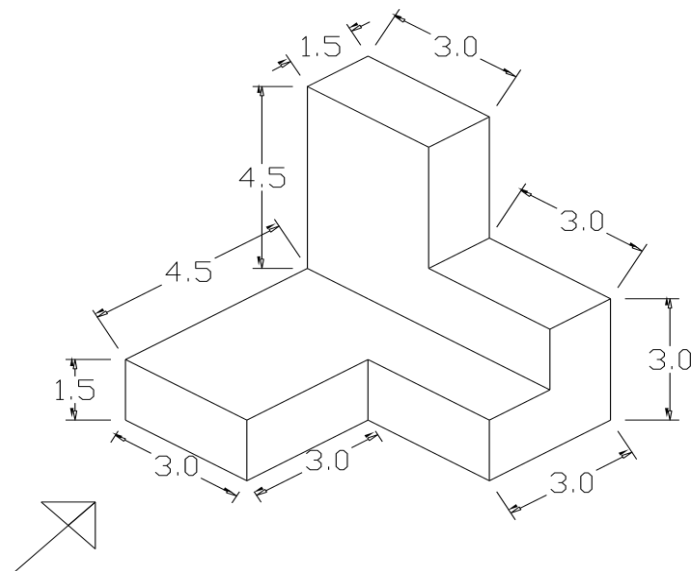


ISOMETRIC PROJECTION

Example 4.3: Orthographic (Third Angle Projection) to Isometric Projection. All units are in cm.



ORTHOGRAPHIC PROJECTION



ISOMETRIC PROJECTION

Reference

- [1] "AutoCAD 2007 For Dummies" by David Byrnes and Mark Middlebrook.
- [2] "Lesson Plans for Engineering Graphics" by Jeyapoovan T.