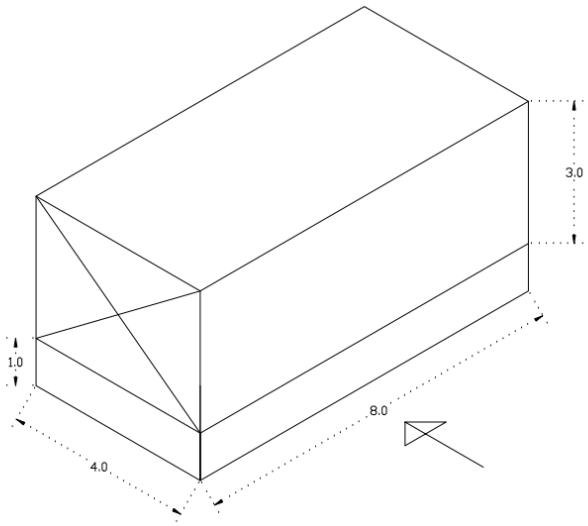
AMERICAN INTERNATIONAL UNIVERSITY-BANGLADESH (AIUB)
Faculty of Engineering
Bachelor of Science in Electrical and Electronic Engineering (EEE)
BAE 2101: Computer Aided Design and Electrical Drafting

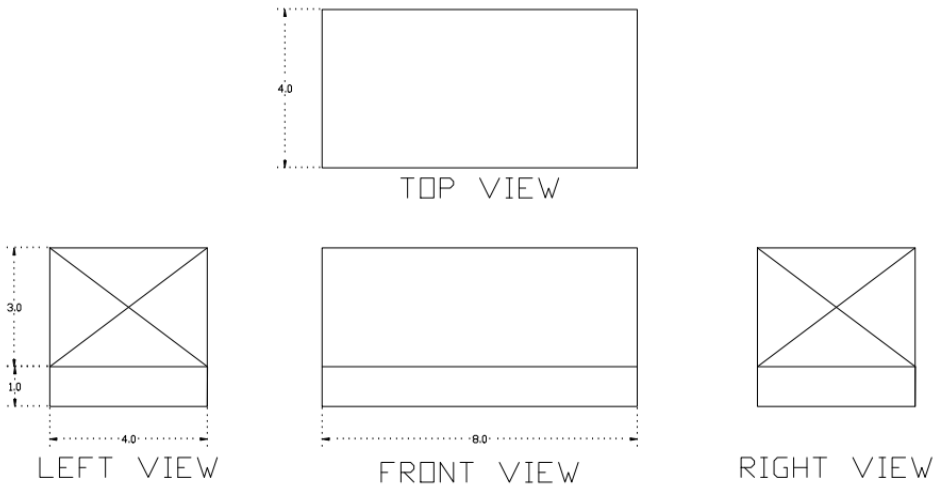
Experiment # 02: Analyze and draw the orthographic view from isometric view based on projection criteria using AutoCAD Software – Part I.

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

Example 1: Isometric to Orthographic Projection (Third Angle Projection). All units are in cm.

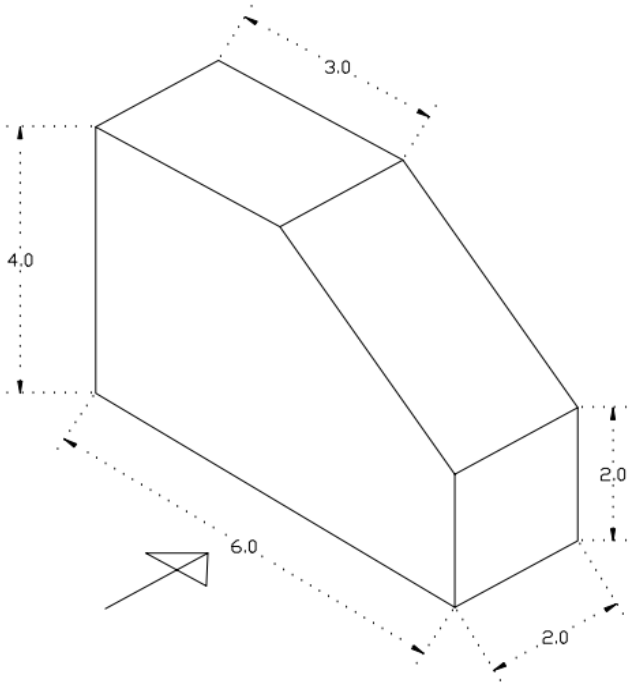


ISOMETRIC PROJECTION

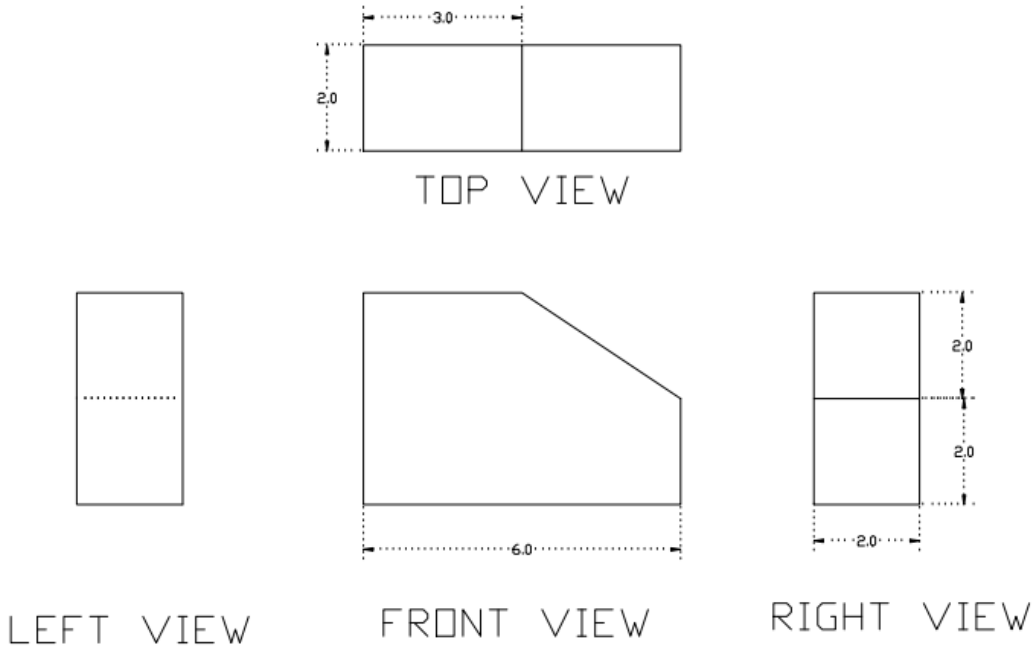


ORTHOGRAPHIC PROJECTION

Example 2: Isometric to Orthographic Projection (Third Angle Projection). All units are in cm.

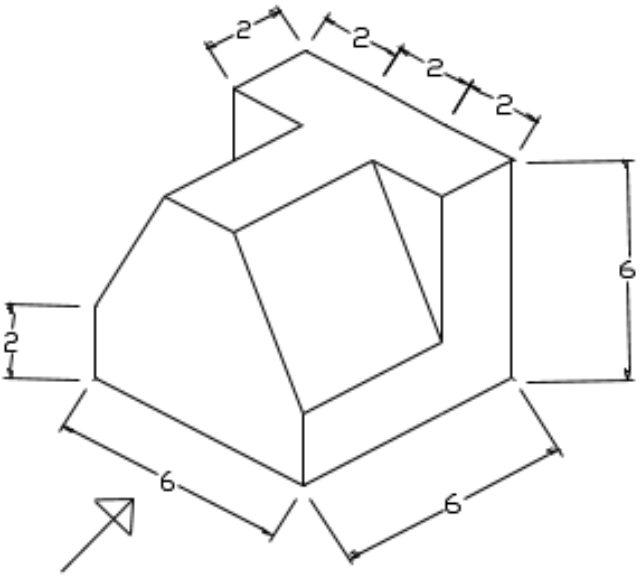


ISOMETRIC PROJECTION

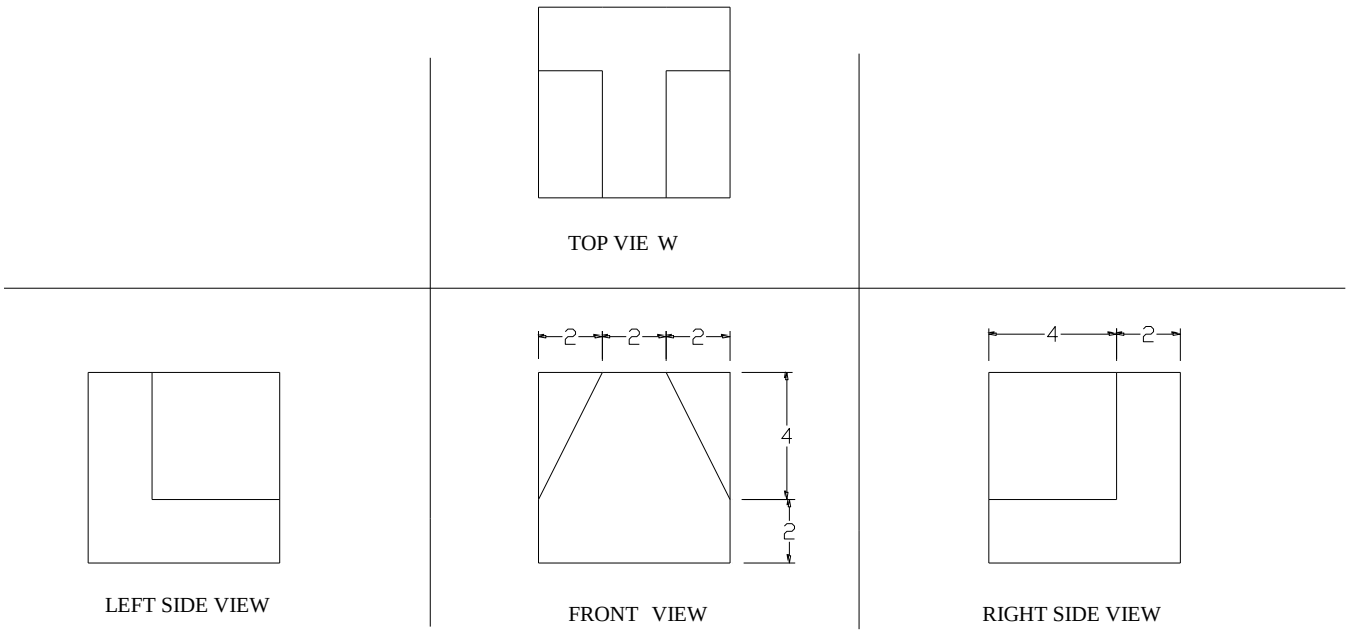


ORTHOGRAPHIC PROJECTION

Example 3: Isometric to Orthographic Projection (Third Angle Projection). All units are in cm.

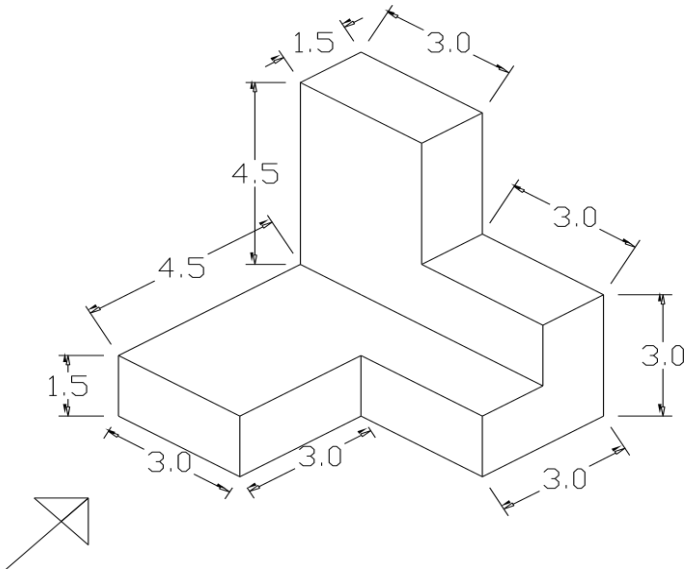


ISOMETRIC PROJECTION

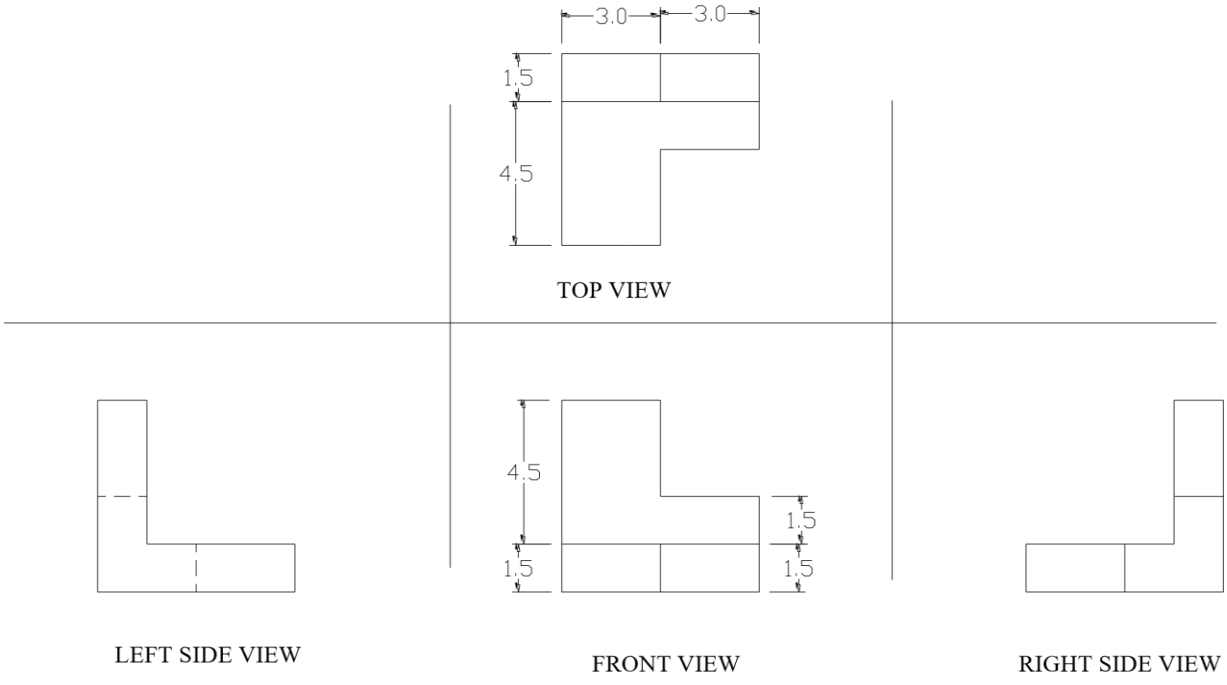


ORTHOGRAPHIC PROJECTION

Example 4: Isometric to Orthographic Projection (Third Angle Projection). All units are in cm.

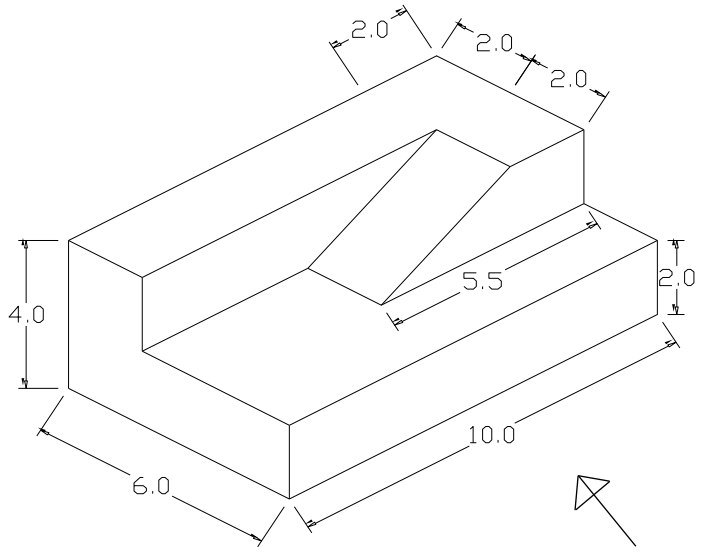


ISOMETRIC PROJECTION

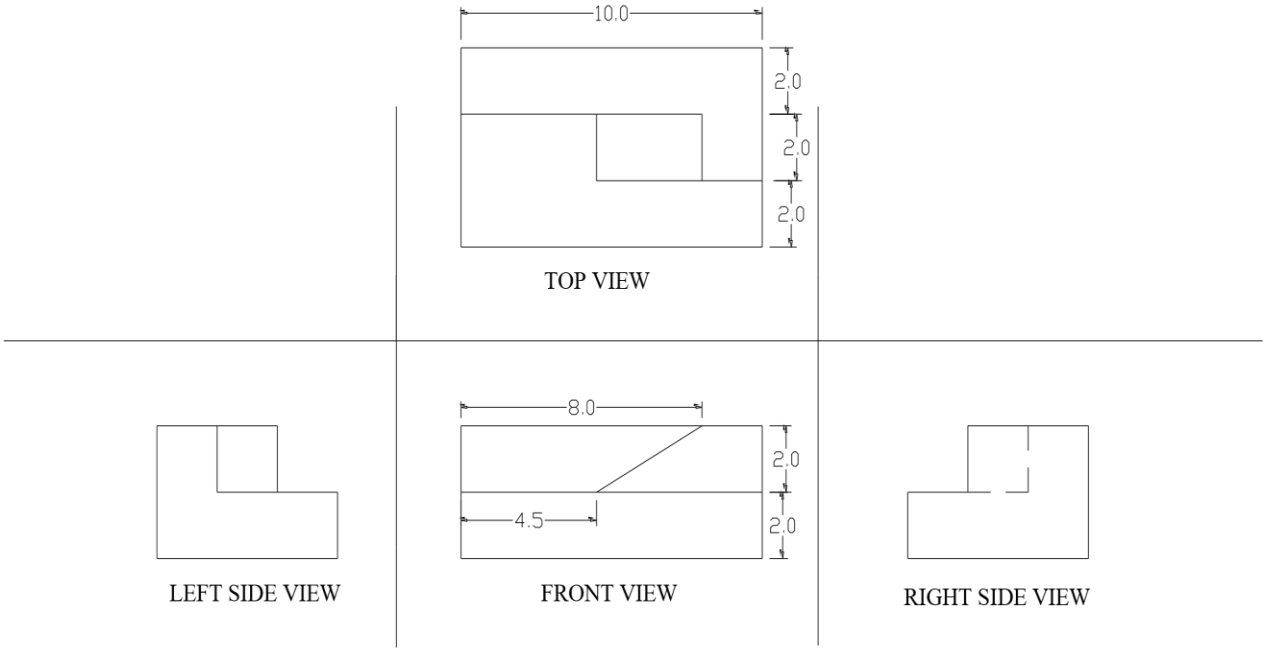


ORTHOGRAPHIC PROJECTION

Example 5: Isometric to Orthographic Projection (Third Angle Projection). All units are in cm.



ISOMETRIC PROJECTION



ORTHOGRAPHIC PROJECTION

Reference

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