



Eastern Asia University



Engineering

⇒ W10-Axonometric (Dimetric) Drawing

ปรัชญา: วิศวกรที่ดีต้องรู้จักประยุกต์ใช้ความรู้ในเชิงสร้างสรรค์ พัฒนาความรู้อย่างต่อเนื่อง และสามารถปรับตัวอยู่ในสังคมได้อย่างเป็นปกติสุข

ปณิธาน: มุ่งสร้างบัณฑิตเป็นวิศวกรที่เพียบพร้อมด้วยความรู้ มีคุณธรรม มีจรรยาบรรณ และมีความรับผิดชอบต่อหน้าที่และสังคม

วิสัยทัศน์: มุ่งสู่มาตรฐานวิชาชีพวิศวกรรม



Mechanical Engineering

Present By

Mr.Changwat Charoensuk (Jo)

0-86544-0096

Email-Changwat@eau.ac.th

MSN-Changwat_c@hotmail.com





Outline

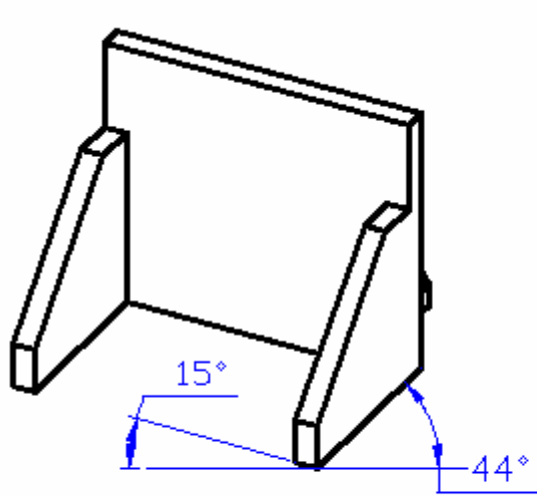
1. Introduction to Axonometric
2. Line properties
3. Snap type setting
4. Example of Dimetric



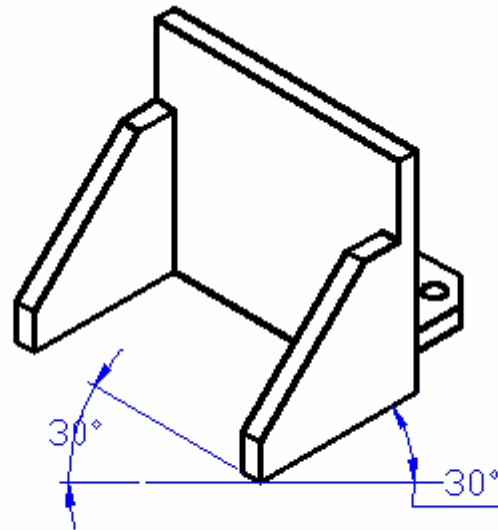
Axonometric (Dimetric) Drawing



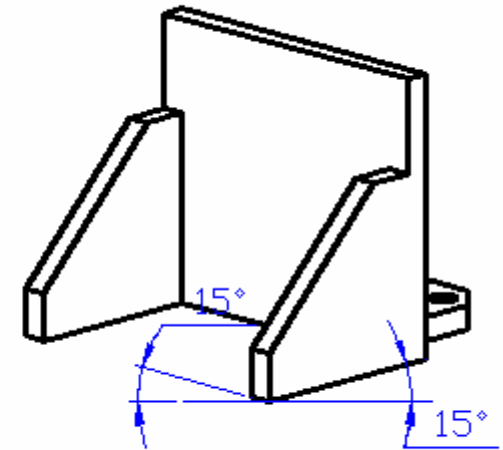
1. Introduction to Axonometric



Trimetric



Isometric



Dimetric





Axonometric (Dimetric) Drawing

2.Example\Line properties

New layer

Line type

Name layers

Color

Line weight

Stat	Name	On	Freeze	Lock	Color	Linetype	Lineweight	Plot Style	Plot	Description
	0	On	Off	Unlocked	white	Continuous	Default	Color_7		
	Defpoints	On	Off	Unlocked	white	Continuous	Default	Color_7		
✓	Dim	On	Off	Unlocked	blue	Continuous	0...m	Color_5		
	Fream	On	Off	Unlocked	white	Continuous	0...m	Color_7		
	Center	On	Off	Unlocked	g..n	Continuous	0...m	Color_3		
	Hid	On	Off	Unlocked	cyan	Continuous	0...m	Color_4		
	Viewport	On	Off	Unlocked	9	Continuous	0...m	Color_9		

All: 7 layers displayed of 7 total layers

Invert filter Indicate layers in use

Apply to layers toolbar

OK Cancel Apply Help





Axonometric (Dimetric) Drawing

3.Example\Snap type setting

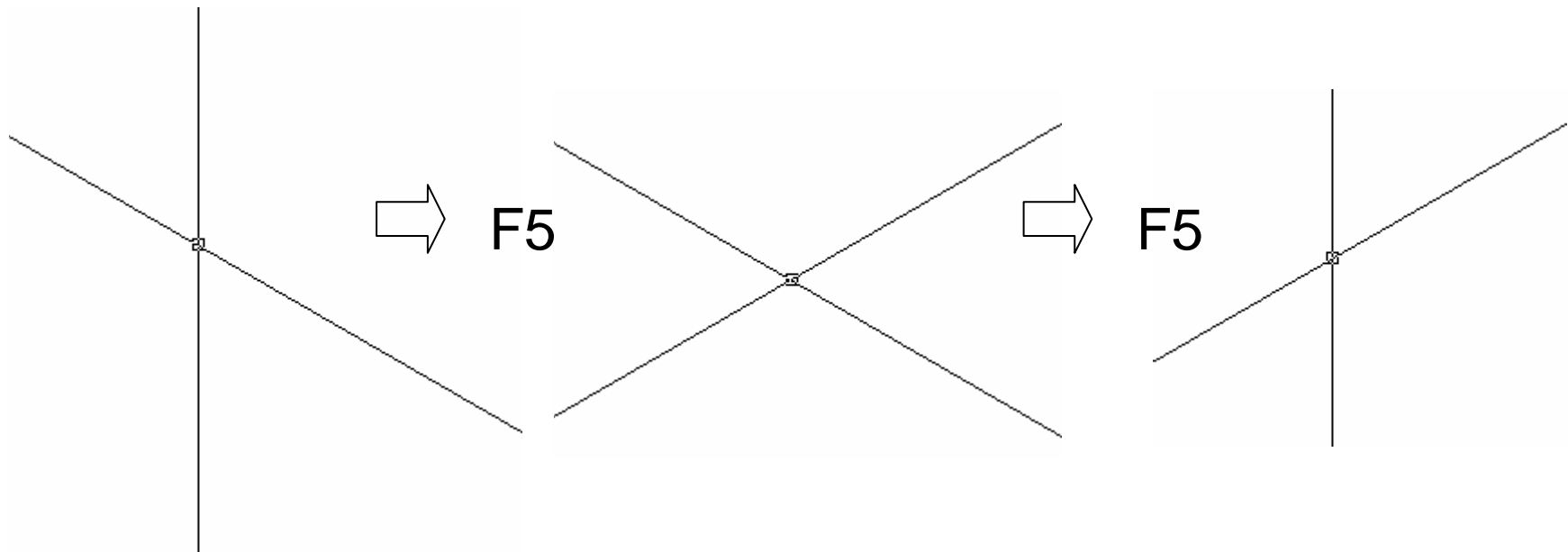
The image shows the AutoCAD 2006 interface with the **Drafting Settings** dialog box open. The **Snap and Grid** tab is active. The **Snap On (F9)** checkbox is unchecked, and the **Grid On (F7)** checkbox is also unchecked. The **Snap** section has the following values: Snap X spacing: 17.3205080, Snap Y spacing: 10, Angle: 0, X base: 0, and Y base: 0. The **Grid** section has Grid X spacing: 17.3205080 and Grid Y spacing: 10. Under the **Snap type & style** section, the **Grid snap** radio button is selected, with **Isometric snap** also selected. The **PolarSnap** radio button is unselected. The **Options...** button is visible at the bottom left of the dialog. The background shows the AutoCAD interface with a coordinate system and a command line.



Axonometric (Dimetric) Drawing



3.Example\Snap type setting



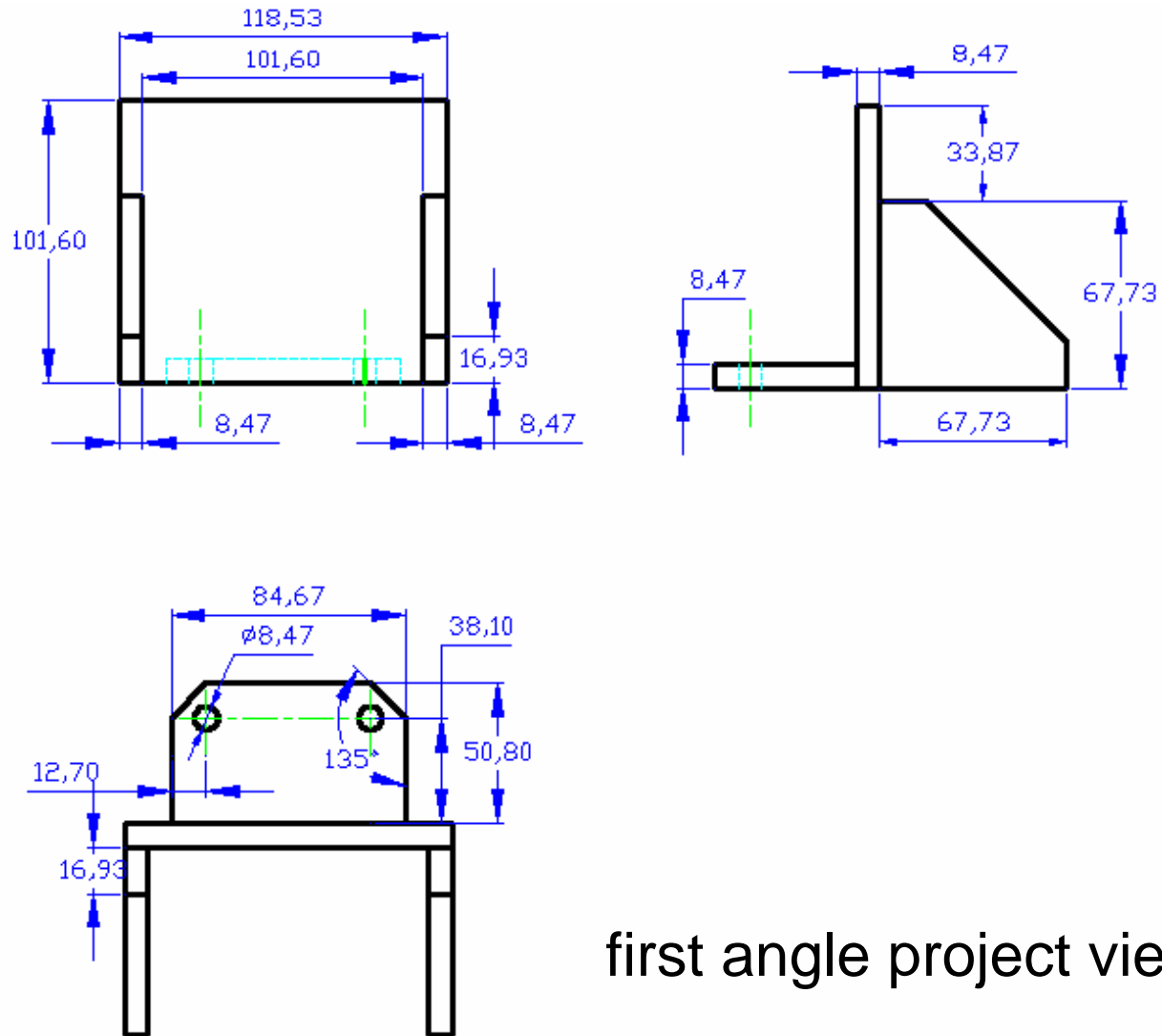
Crosshair curser After set





Axonometric (Dimetric) Drawing

4.Example of Dimetric



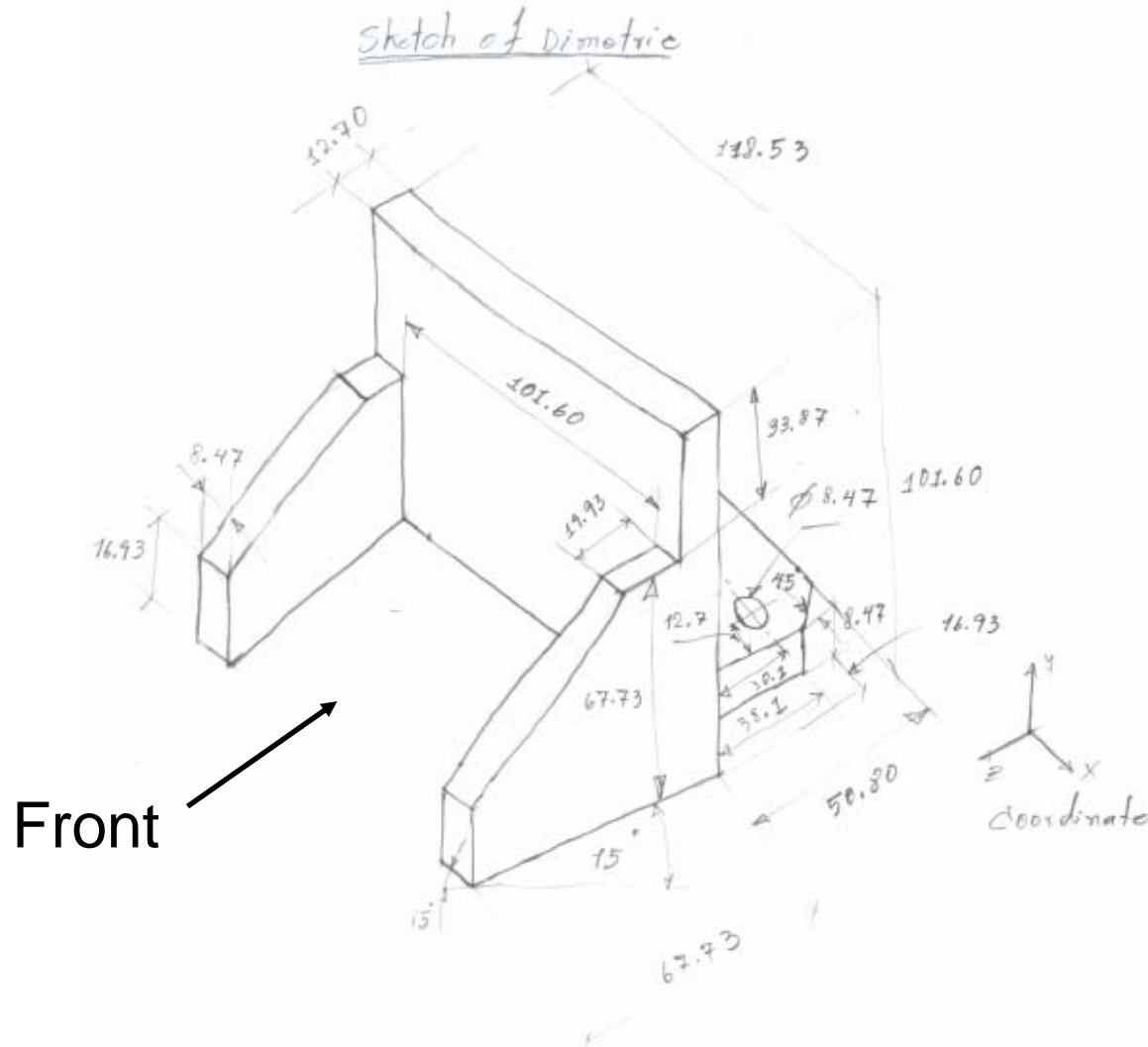
first angle project view



Axonometric (Dimetric) Drawing

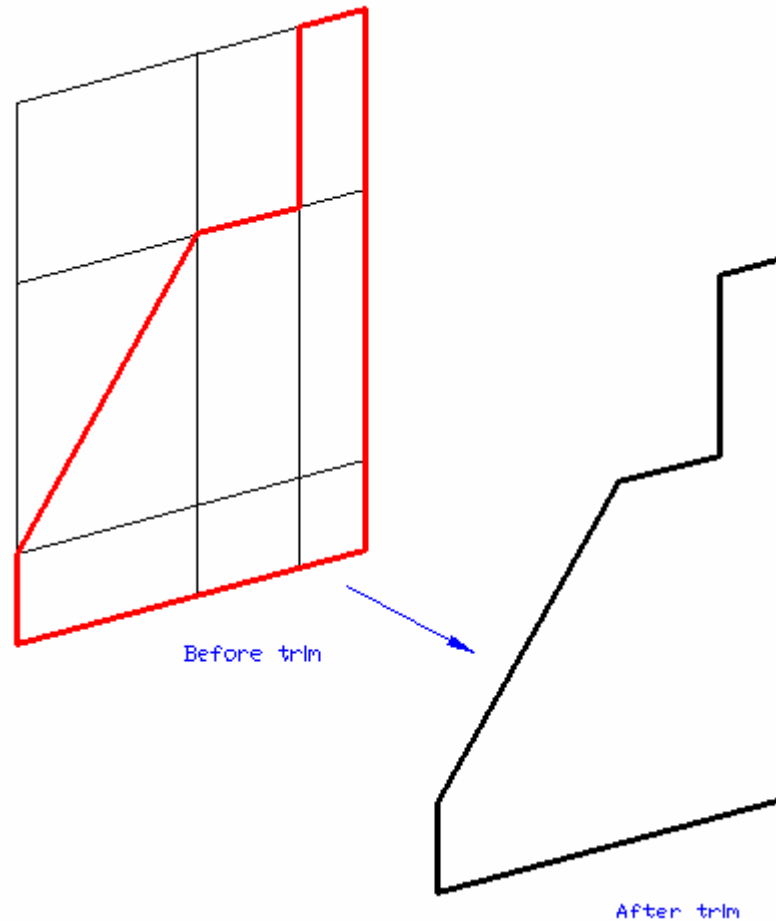


4.Example of Dimetric\Sketch



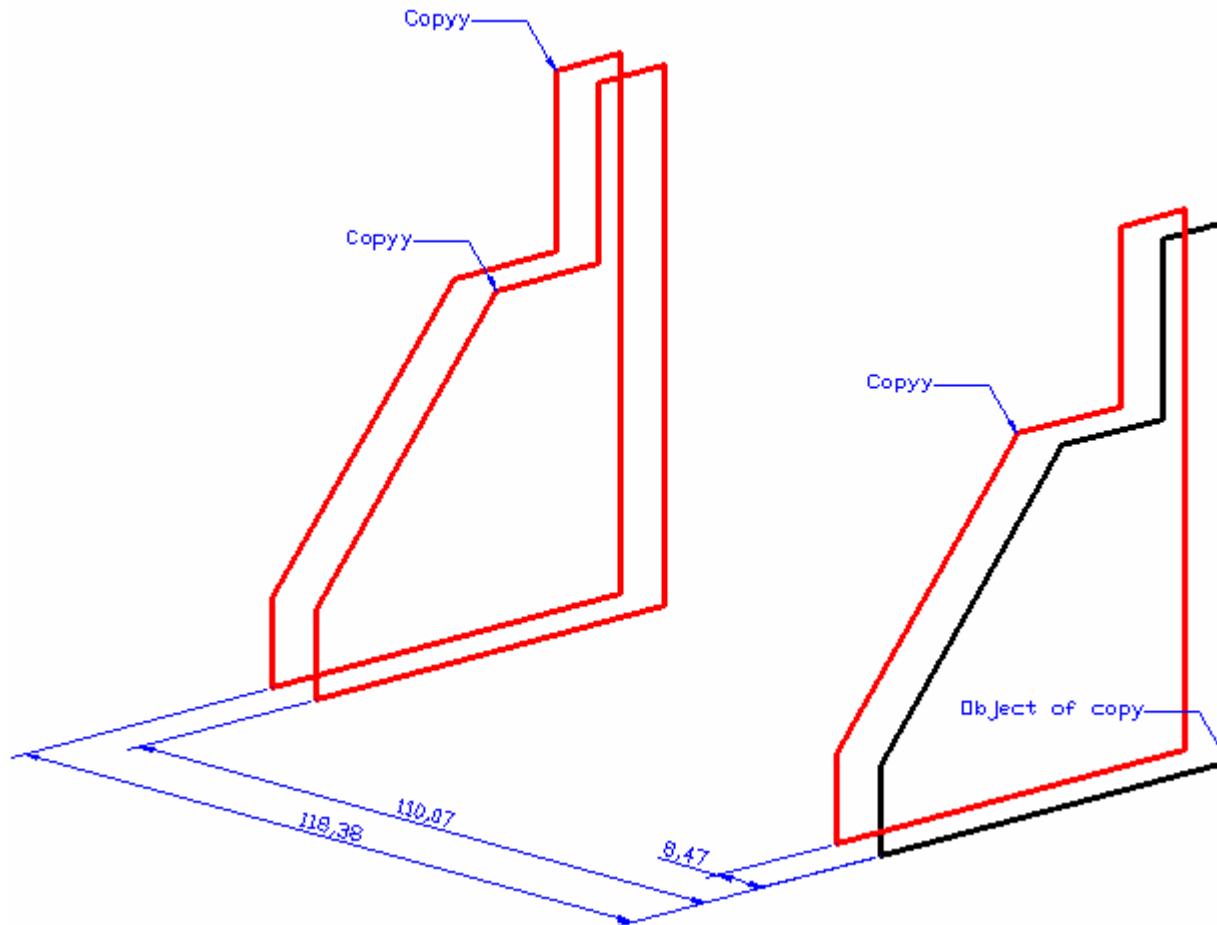


4.Example of Dimetric\create profile



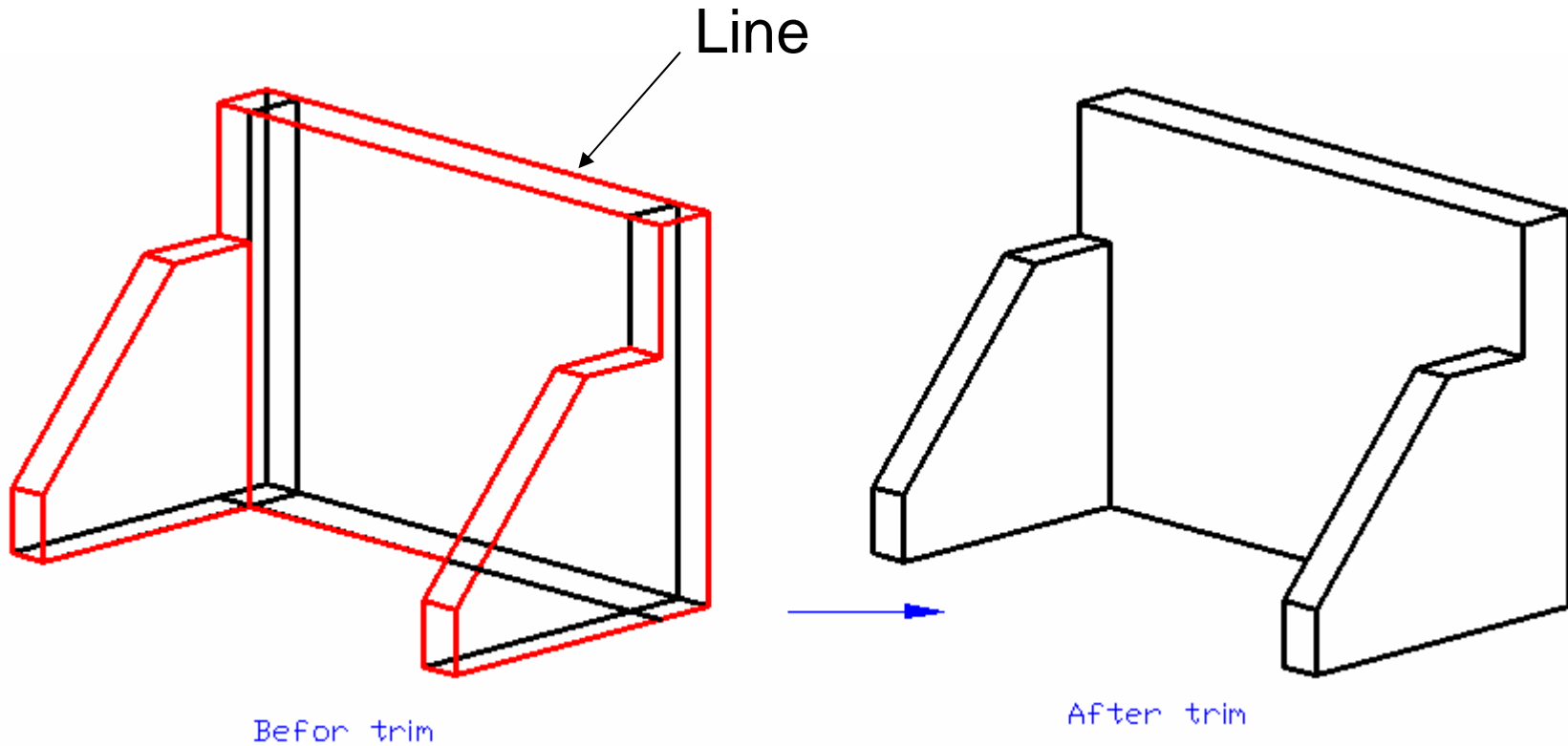


4.Example of Dimetric\copyy profile

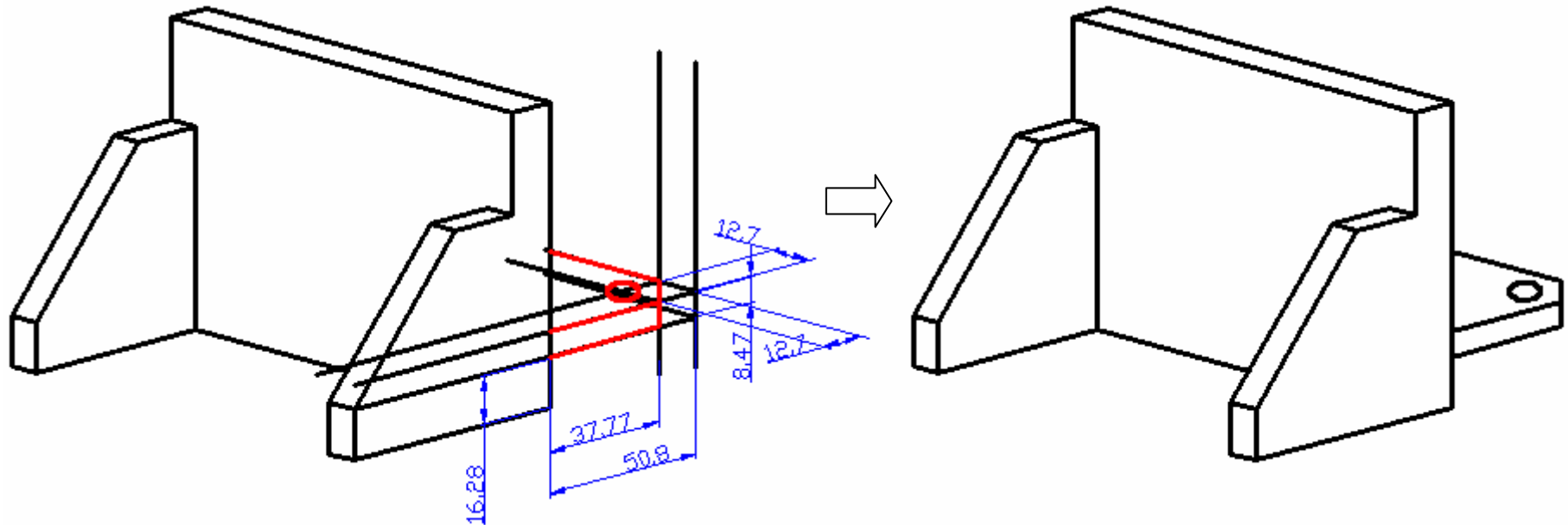




4.Example of Dimetric\edit



4.Example of Dimetric\create & Trim



Create & Trim

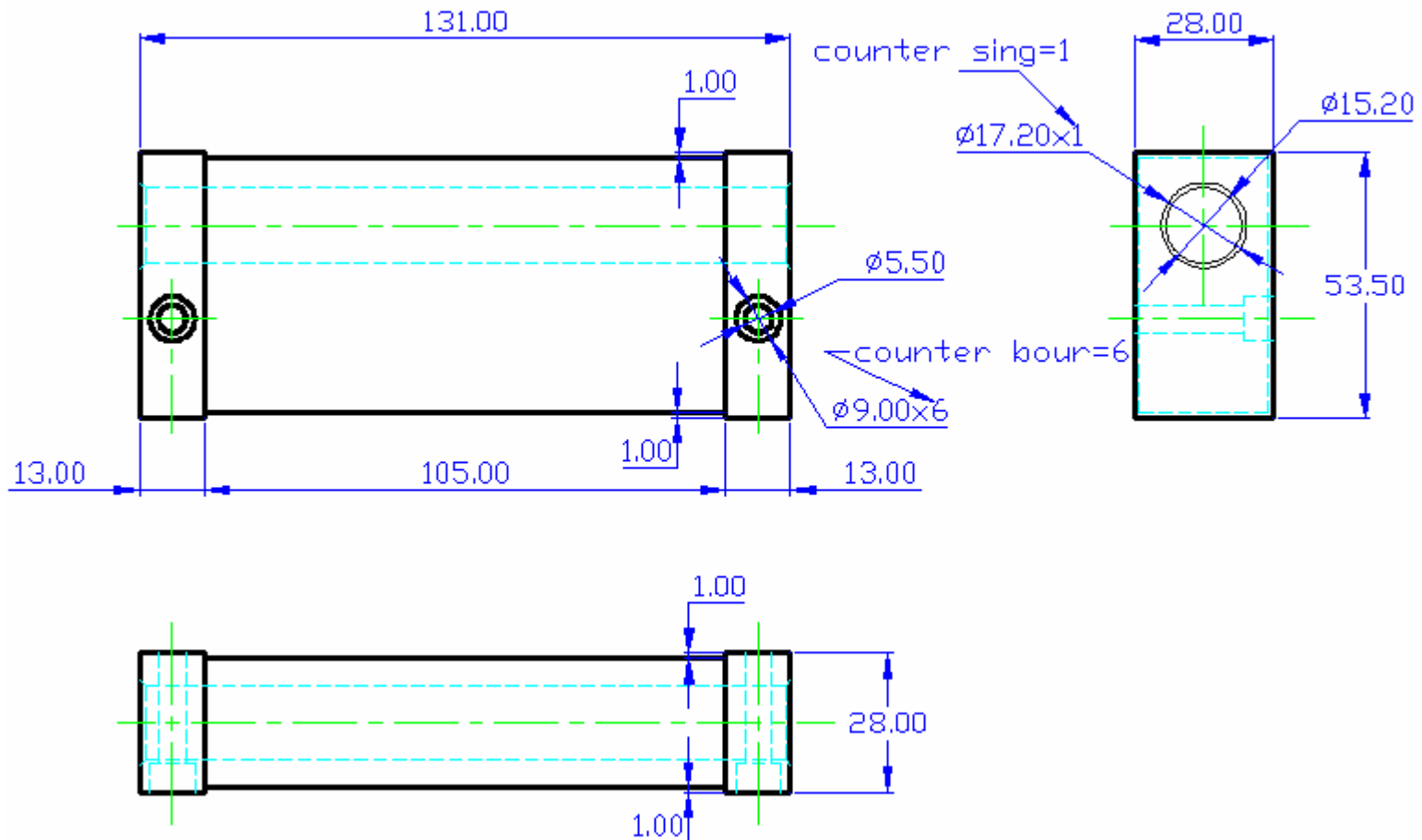
After Trim

Axonometric (Dimetric) Drawing



Home Work

1. To do Dimetric drawing of first angle project view below.





Q&A

มีคำถามเพิ่มเติมไหมครับ ?





! ขอบคุณครับ !

