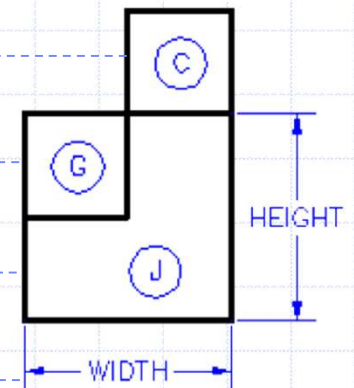
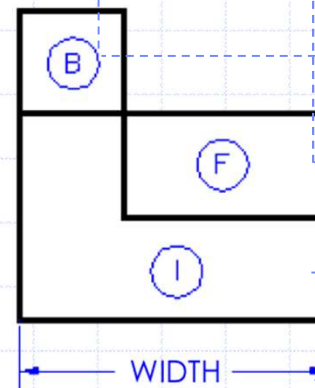
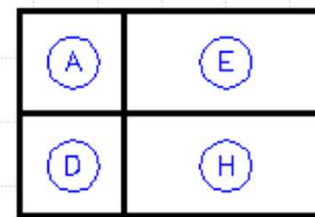
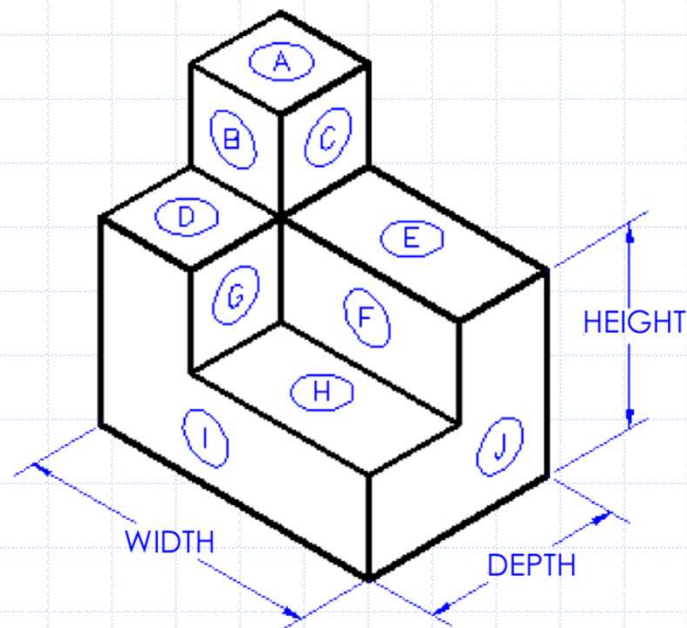




Chapter 2 – Design and Sketching

SURFACES AND PICTORALS

SURFACE IDENTIFICATION



Pictorial Sketches

- ◆ A Pictorial Sketch is a picture like sketch in which the width, height, and depth of a object are shown in one view.

Pictorial Sketches

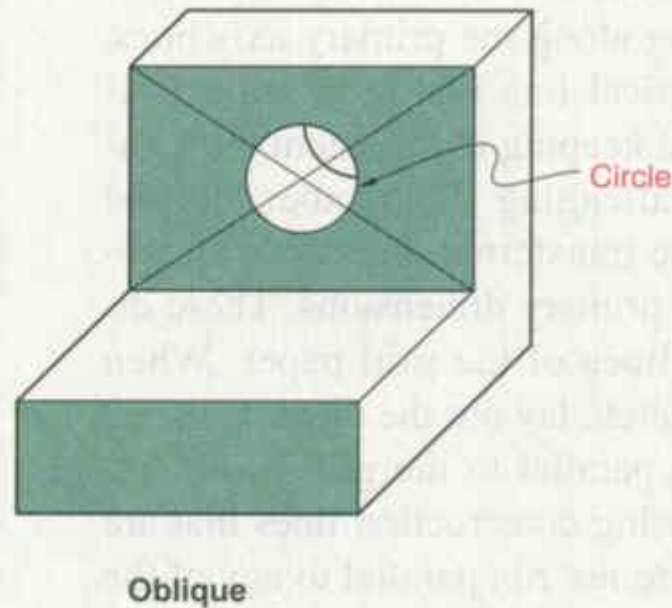
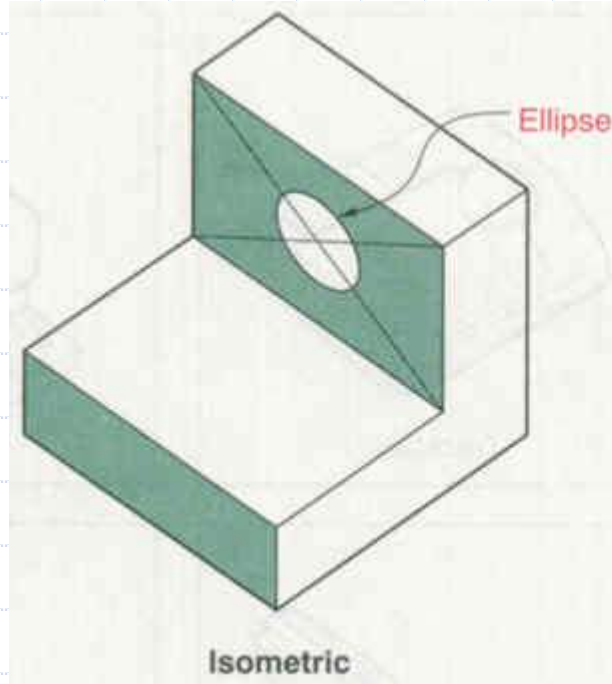
- ◆ A Pictorial Sketch is a picture like sketch in which the width, height, and depth of a object are shown in one view.
 - An oblique sketch is a type of pictorial sketch in which two of the axes are at right angles (90 degrees) to each other.

Pictorial Sketches

- ◆ A Pictorial Sketch is a picture like sketch in which the width, height, and depth of a object are shown in one view.
 - An oblique sketch is a type of pictorial sketch in which two of the axes are at right angles (90 degrees) to each other.
 - An isometric sketch is a type of pictorial sketch that relies on three axes to show width height and depth. However , an isometric sketch, shows the axes spaced equally. (120 degrees)

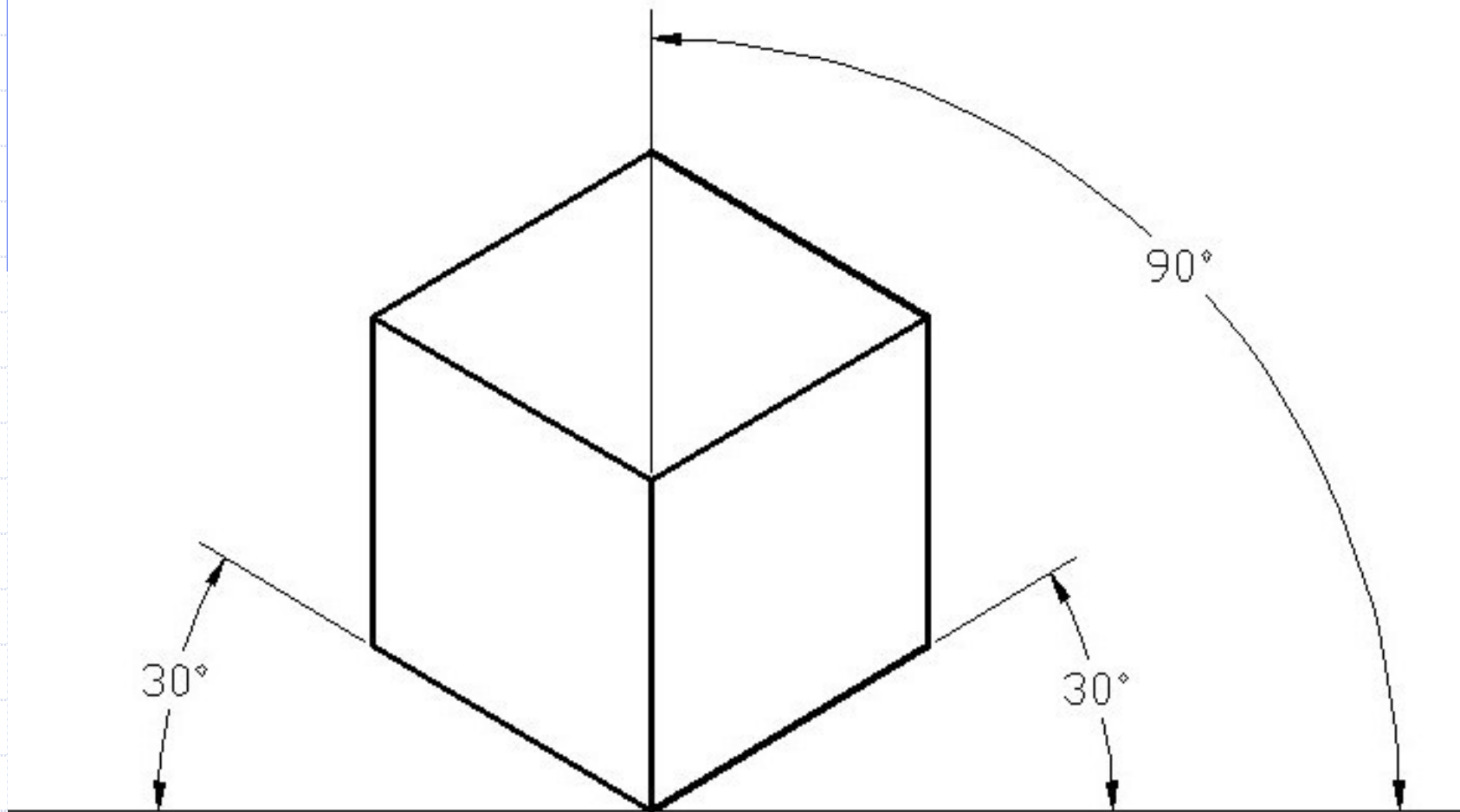
Pictorial Sketches

- ◆ A Pictorial Sketch is a picture like sketch in which the width, height, and depth of a object are shown in one view.

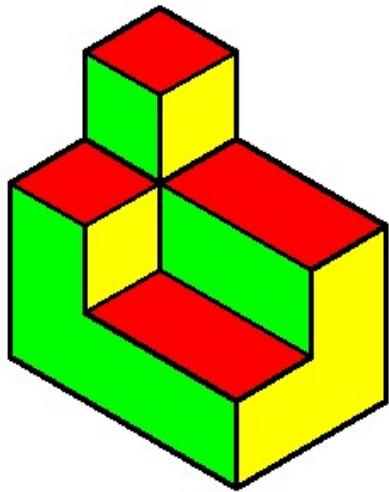


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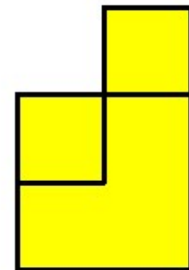
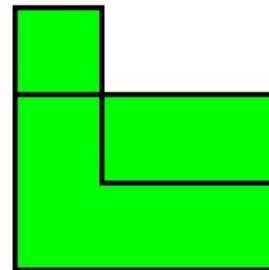
Isometric Sketching



ORTHOGRAPHIC vs. ISOMETRIC



ISOMETRIC
DRAWING



ORTHOGRAPHIC
DRAWING

A **normal or principal plane** is parallel to one of the principal planes of projection, and therefore is perpendicular to the line of sight.

- **Frontal plane** (plane A)
- **Horizontal plane** (plane B)
- **Profile plane** (plane C)

Inclined plane (plane D)

Oblique plane (plane E) is oblique to all principal planes of projection. An oblique surface does not appear in its true shape or size, or as a line in any of the principal views: instead, an oblique plane always appears foreshortened in any principal view.

