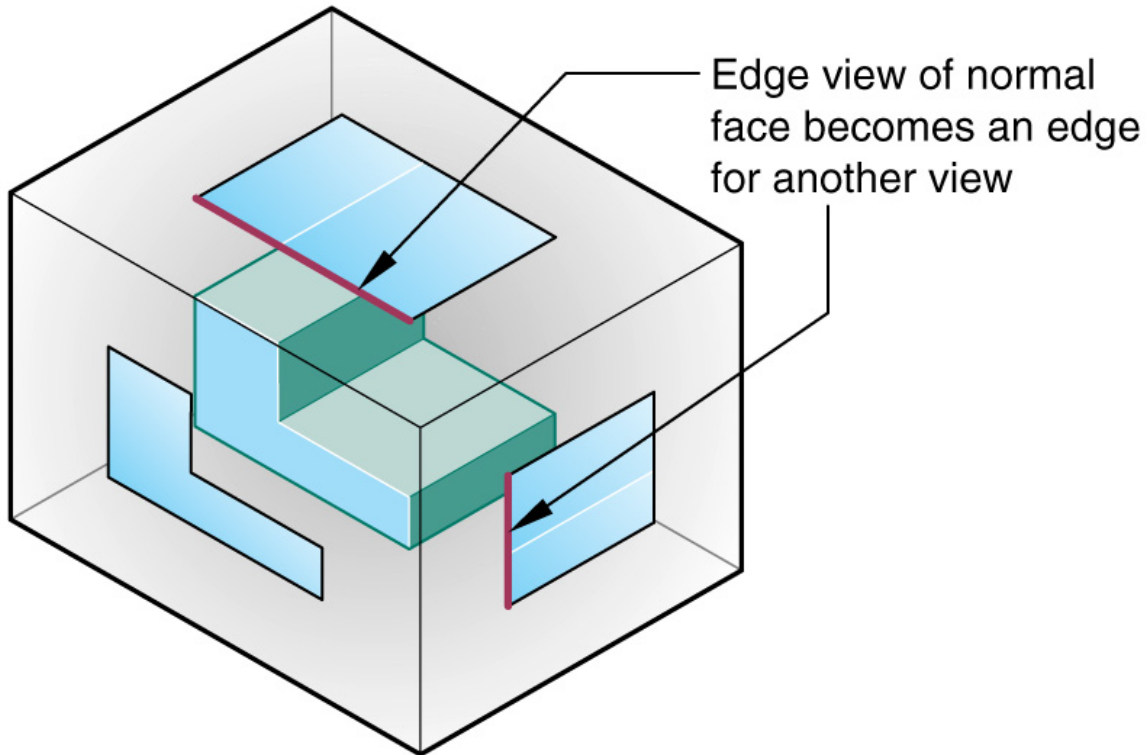


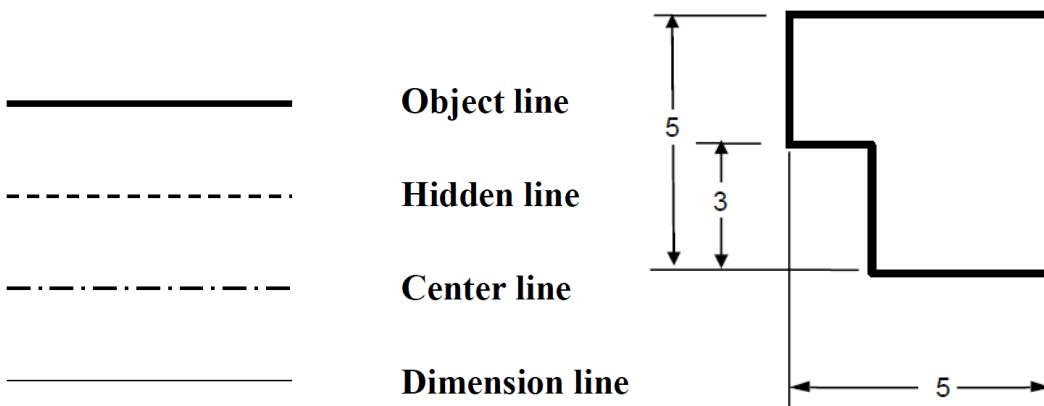
# Engineering Drawing:

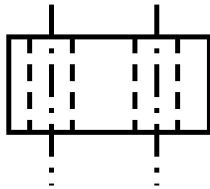
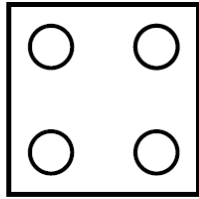
With Acknowledgment to Junfeng Ma

## Multiview:

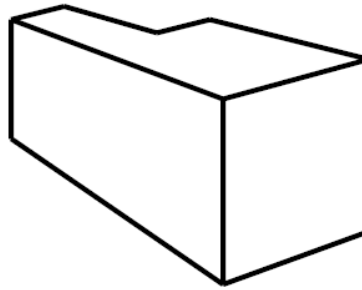


## Lines:

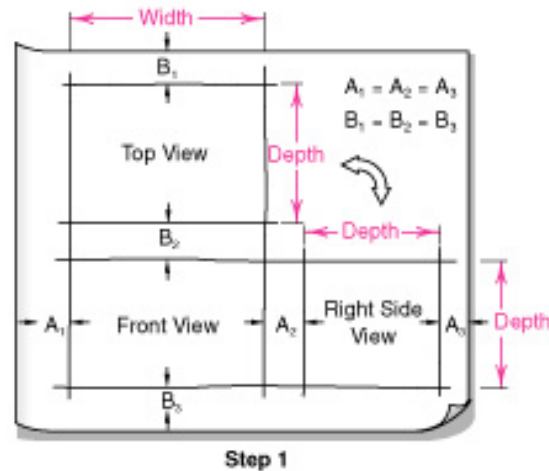
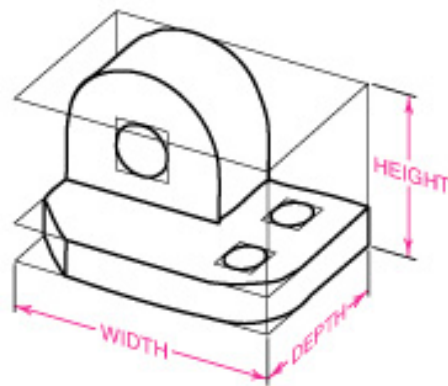




## HIDDEN LINES



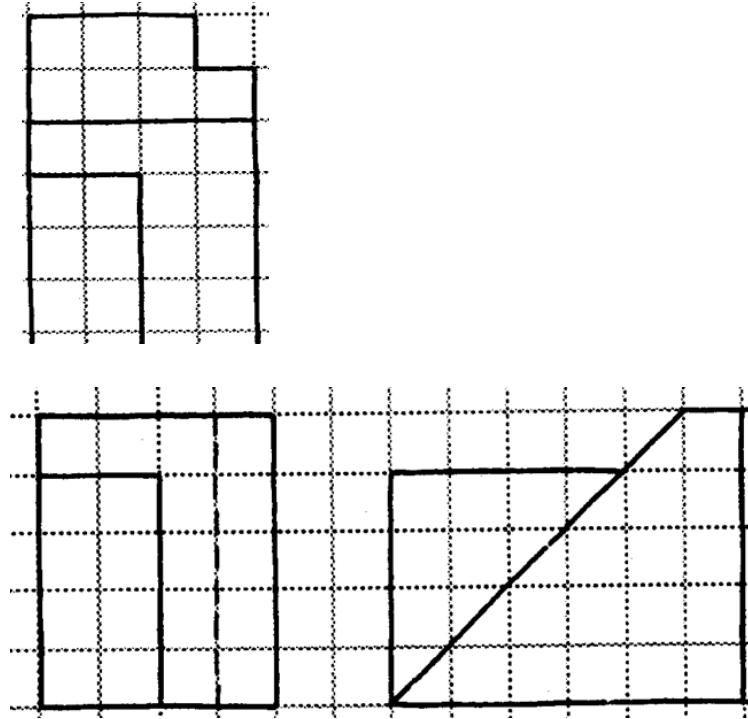
**Three- View Sketch:** A three-view sketch is created by blocking in the overall width, height, and depth dimensions for each view, then blocking in the details, using a miter line to transfer depth dimensions between the top and side views, and then, adding the final details, such as circles, arcs, center lines, and hidden lines.



**Isometric:** For an isometric drawing, there are three axes that form equal angle of  $120^\circ$ . Each angle of the cube is parallel to one of the isometric axes. The length of the edges are determined by the scale of the drawing. Lines are only indicated where surfaces intersect. No hidden lines are shown in isometric drawing.

**Example:**

**Three-View:**



**Isometric View:**

