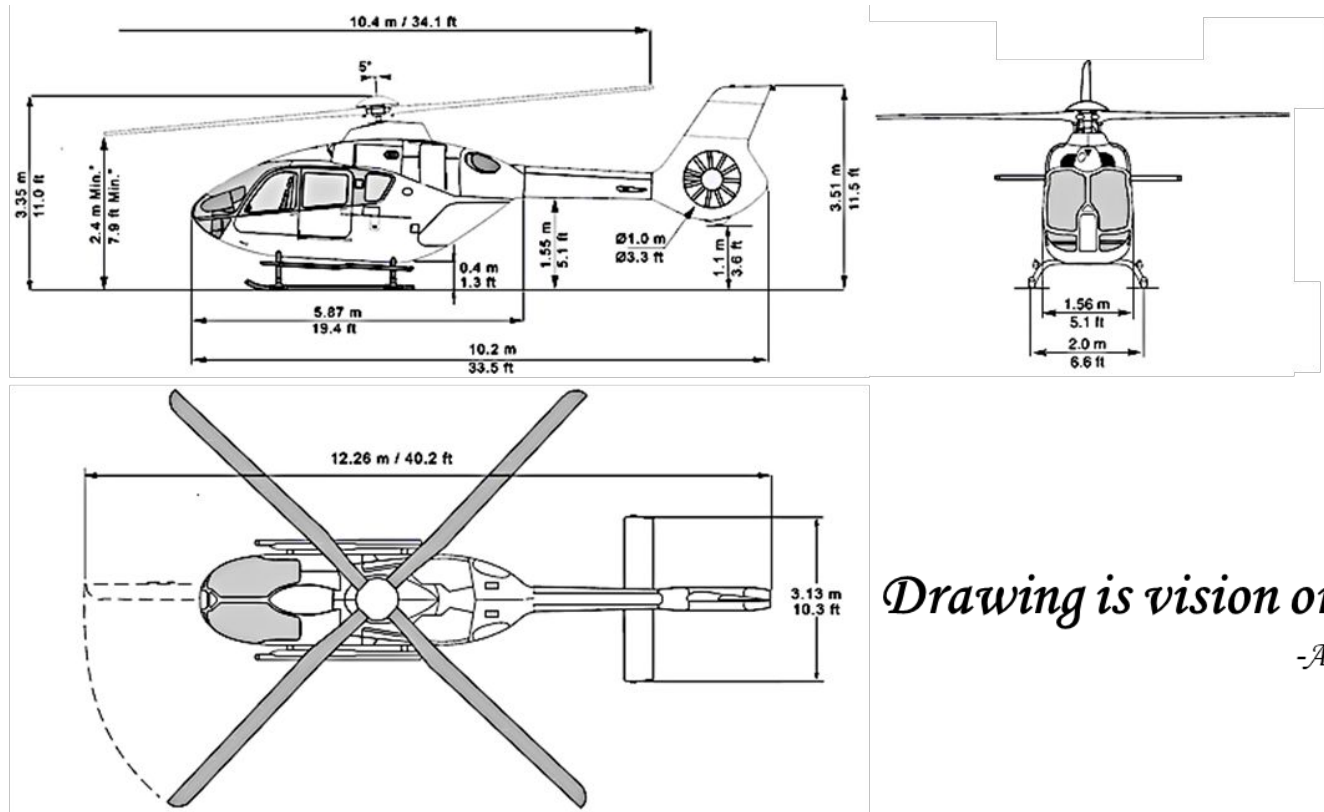


ES 101: Engineering Graphics



Drawing is vision on paper
-Andrew Loomis

https://www.aiut-alpin-dolomites.com/english/technical_details.html

Class#7 – 6th November 2024

Sameer Patel

Assistant Professor

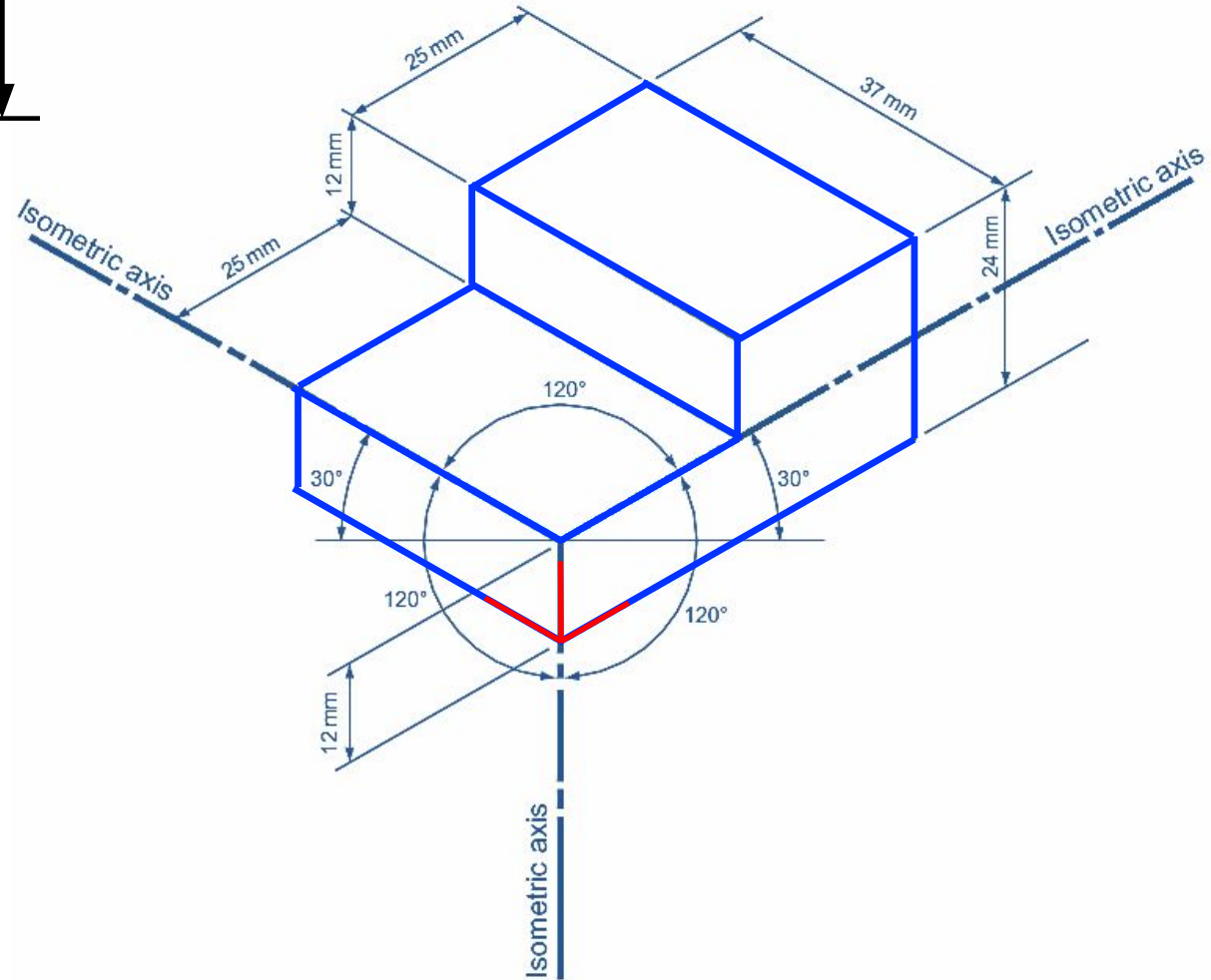
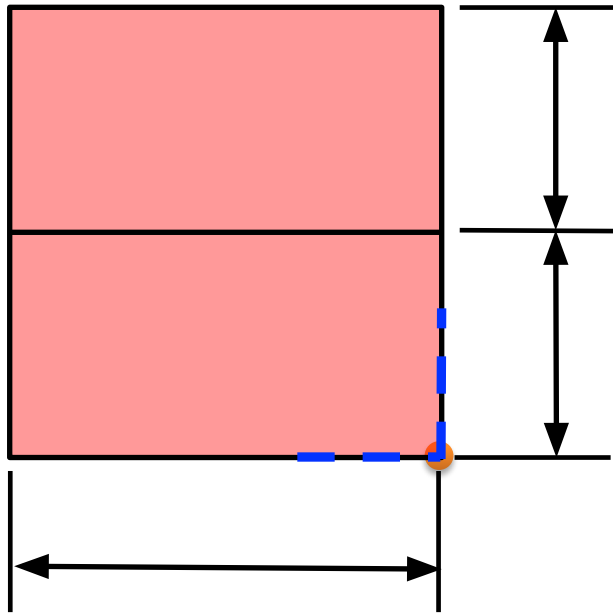
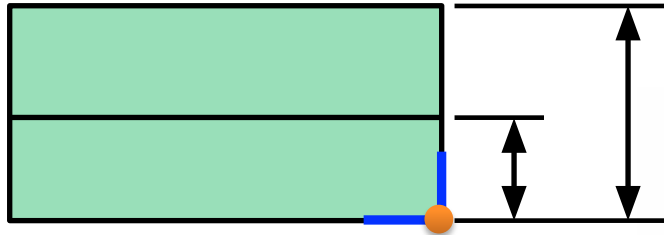
Civil Engineering & Chemical Engineering

IIT Gandhinagar

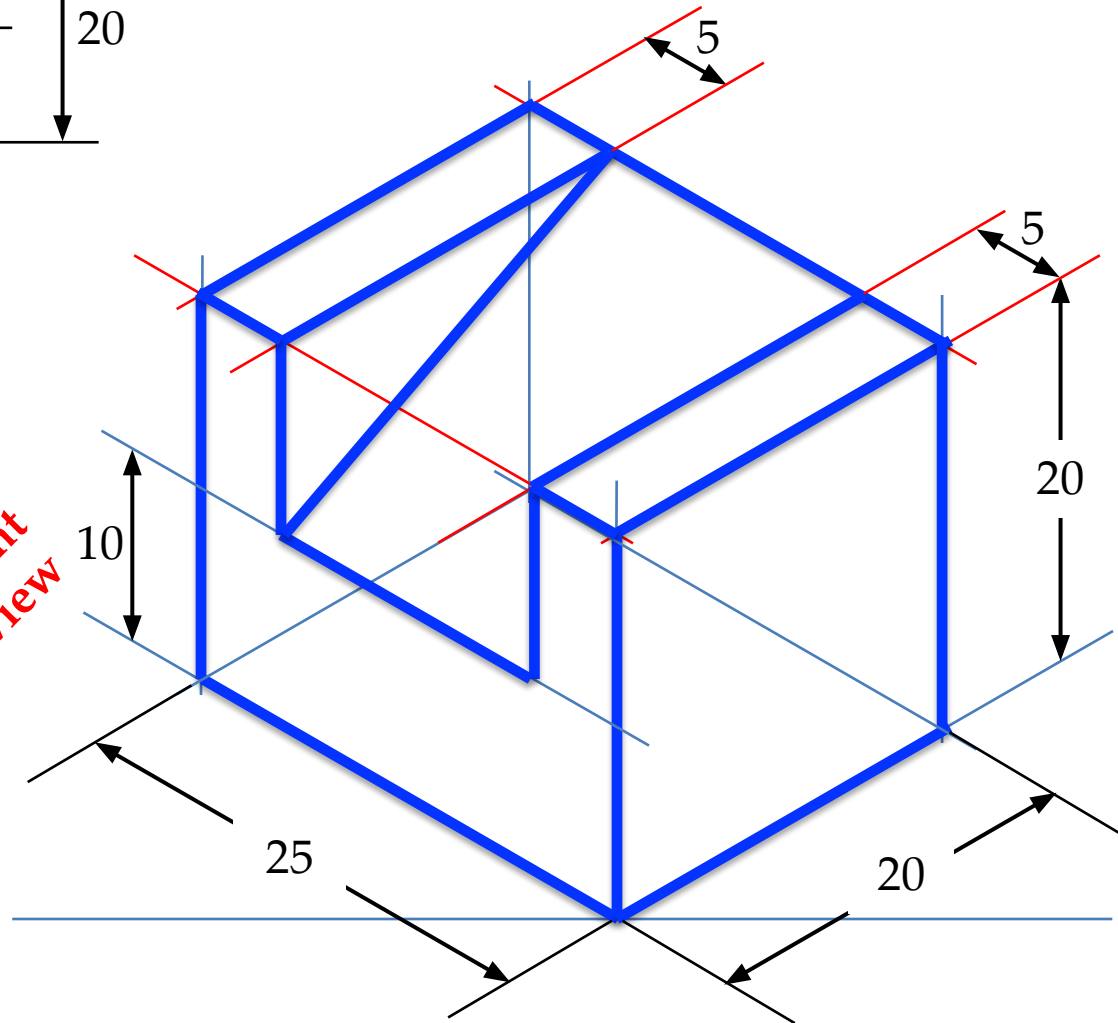
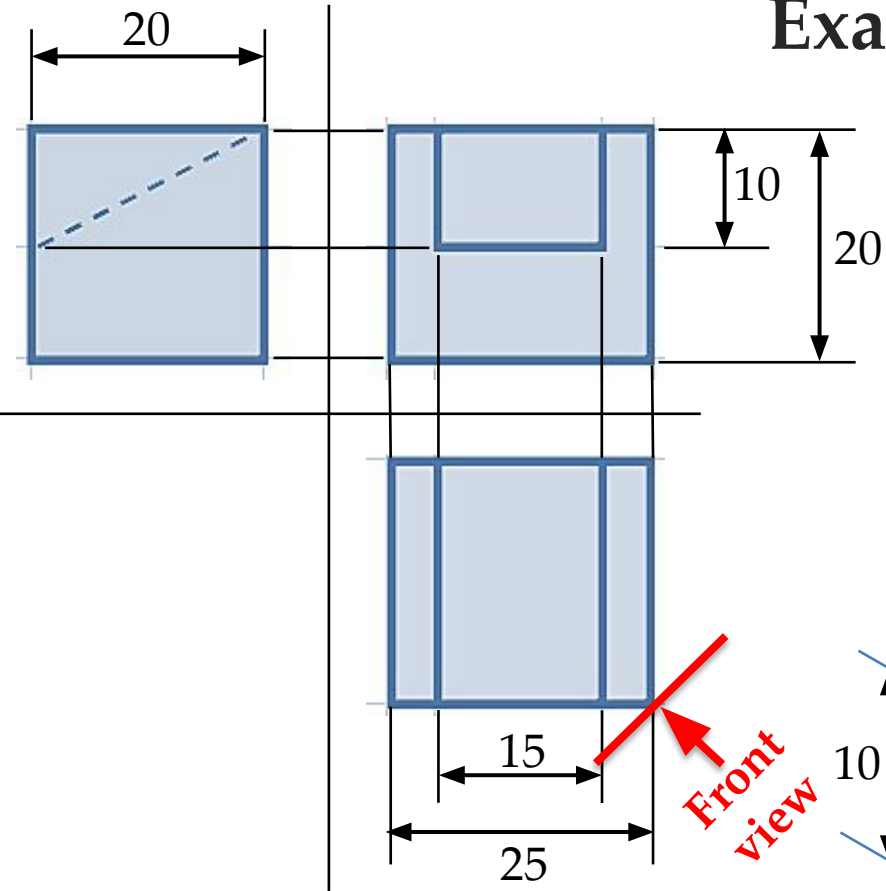
Announcements

- Quiz 2 on 13th Nov during the class

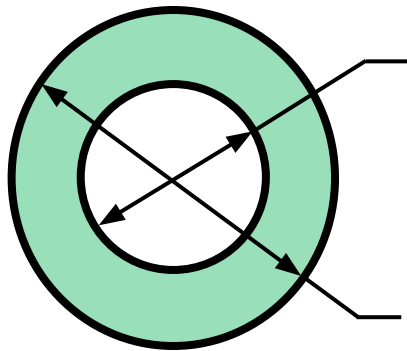
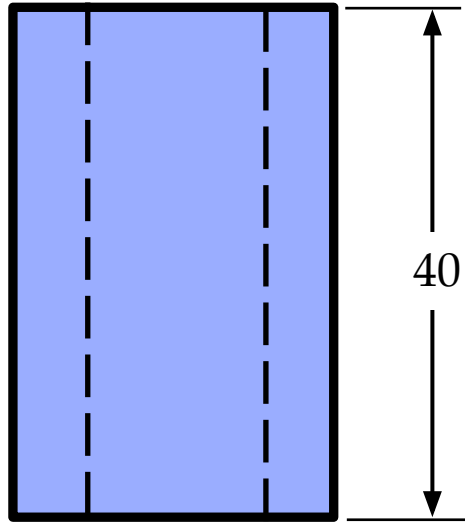
Isometric Drawing: Example 7



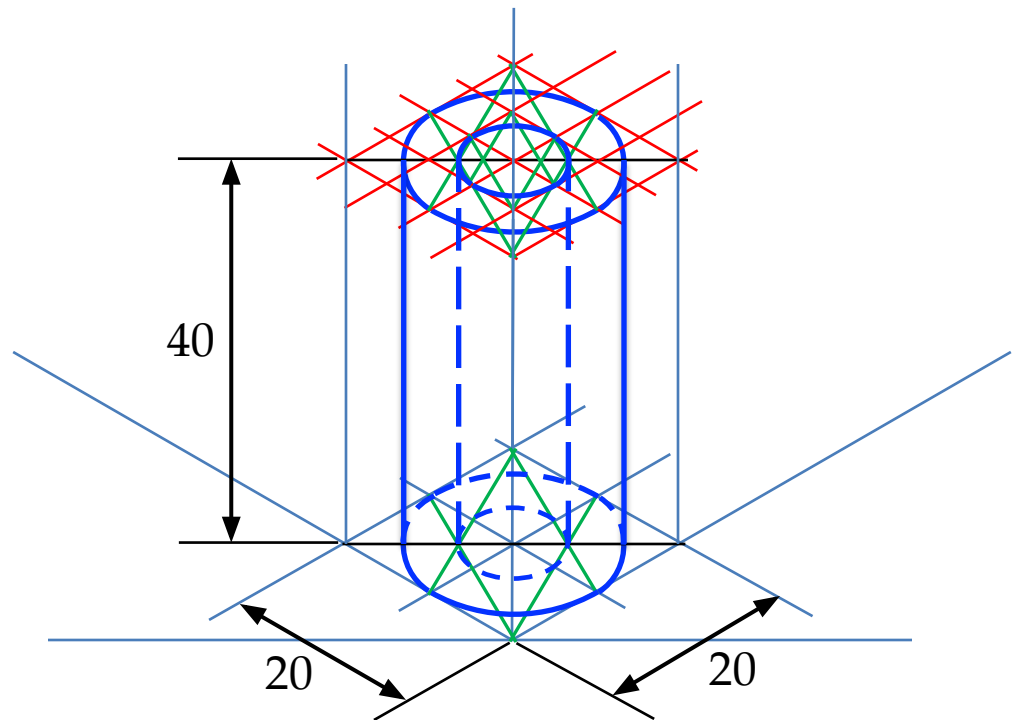
Example 8



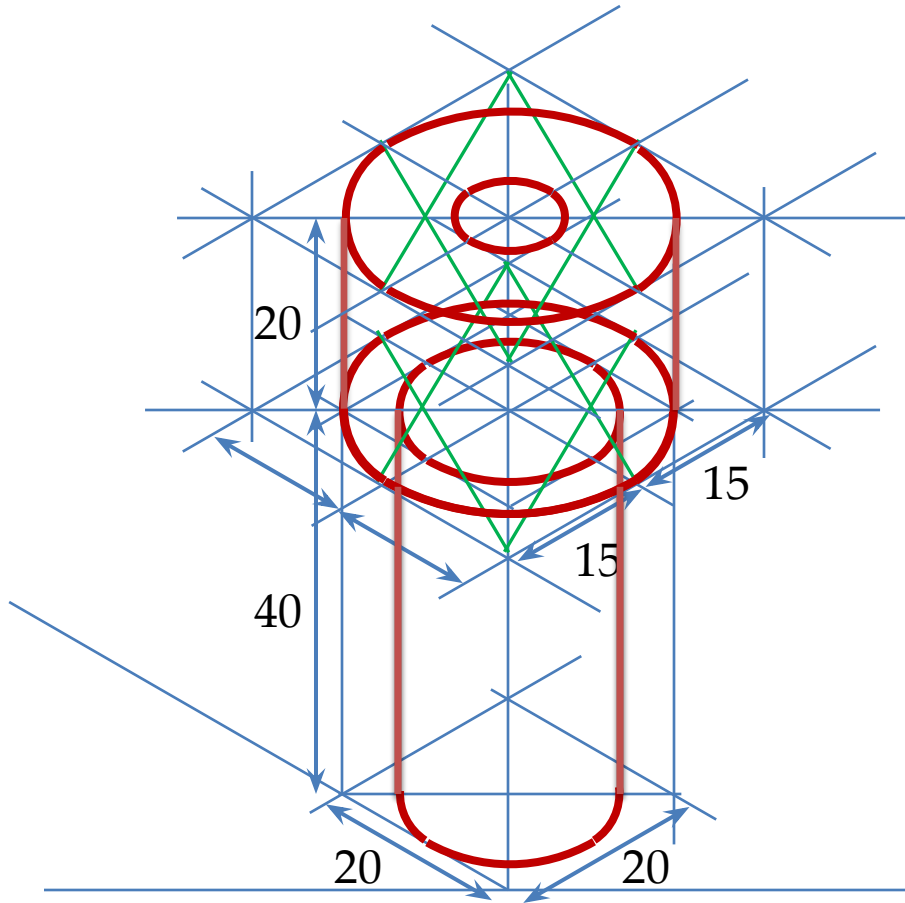
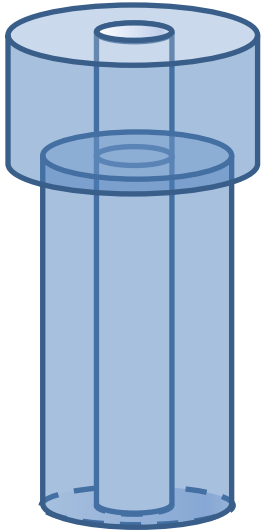
Example 9: Hollow Cylinder



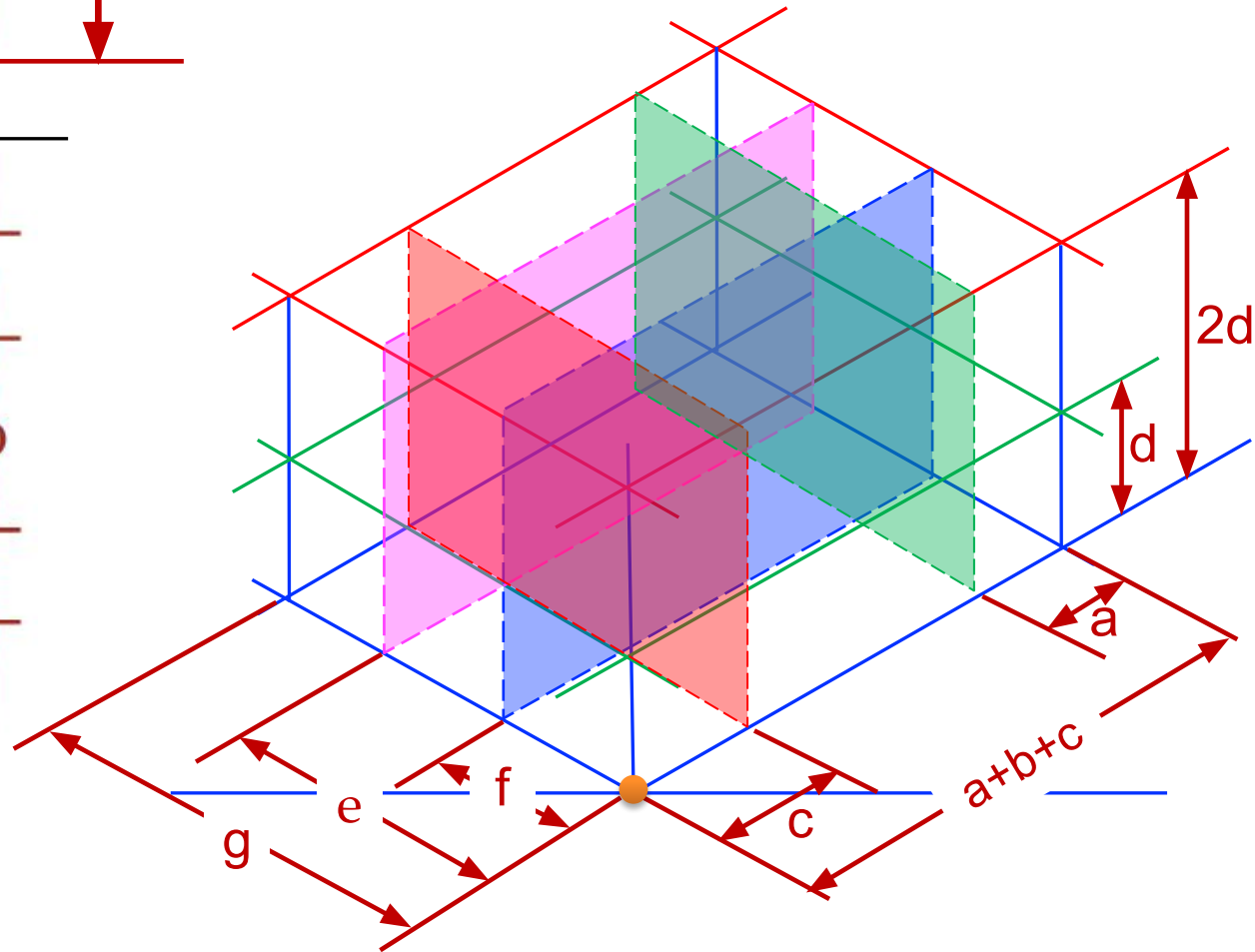
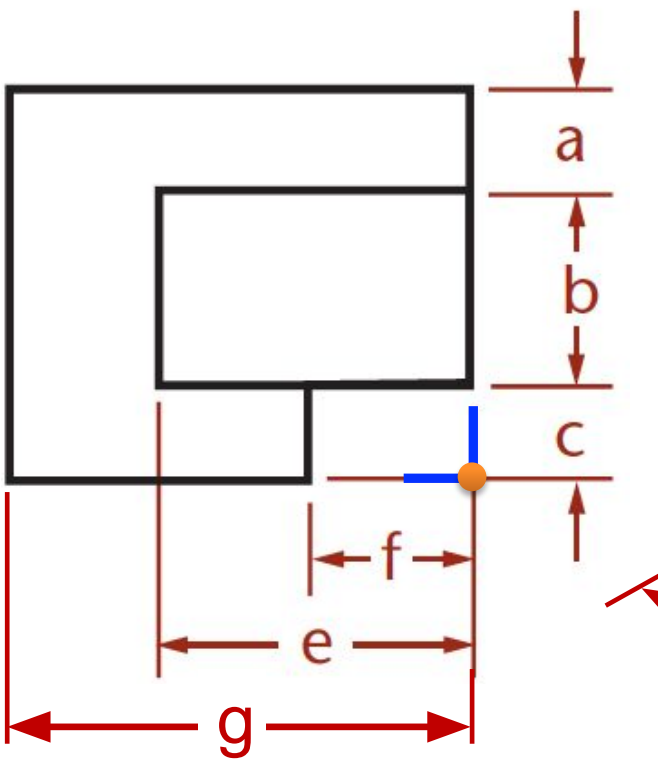
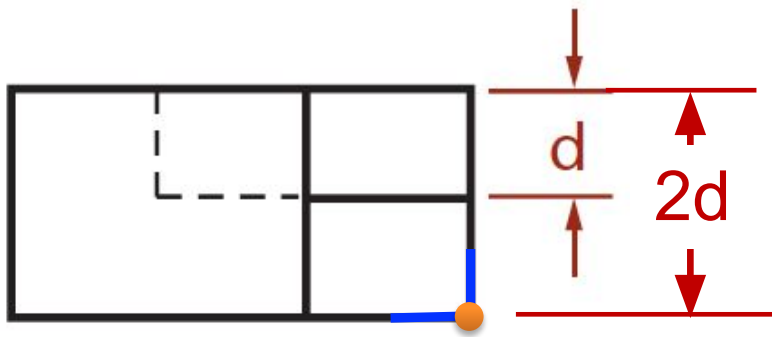
Hidden lines can be avoided in isometric projections/drawings



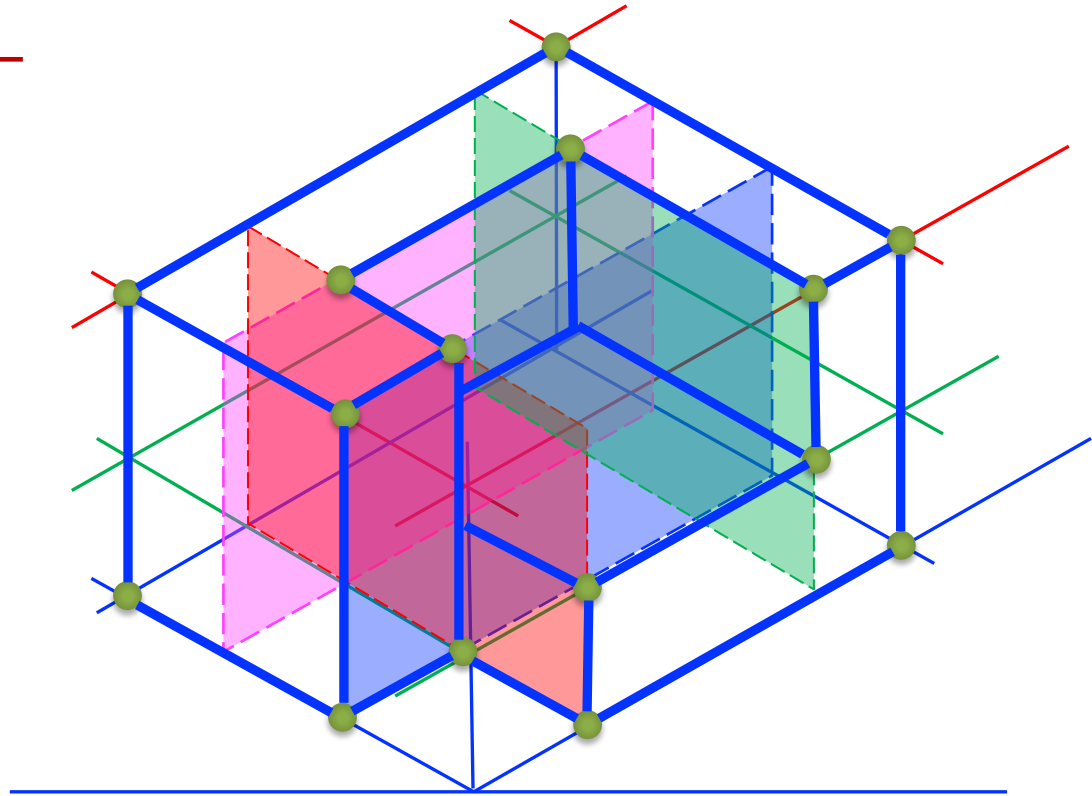
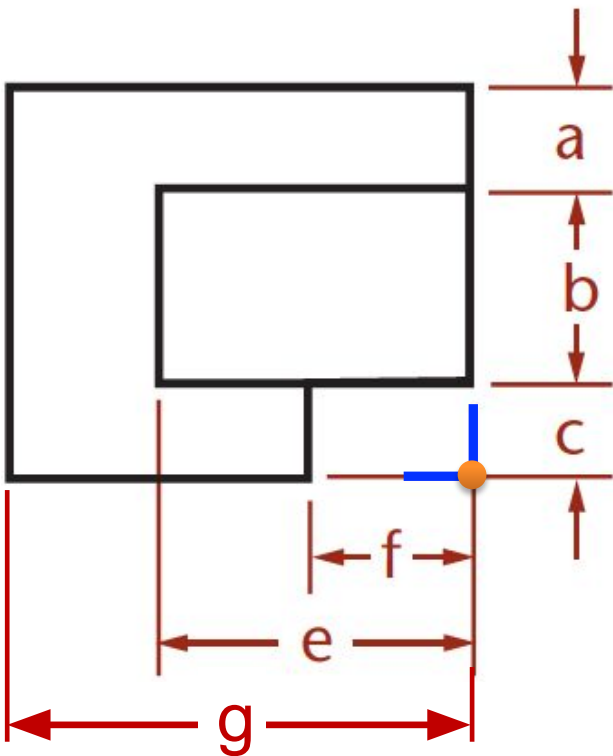
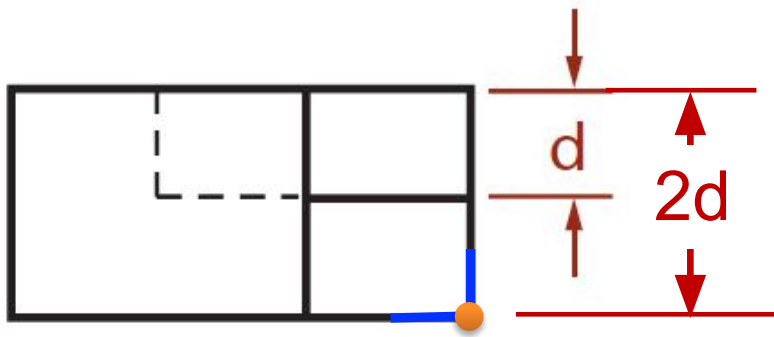
Example 10



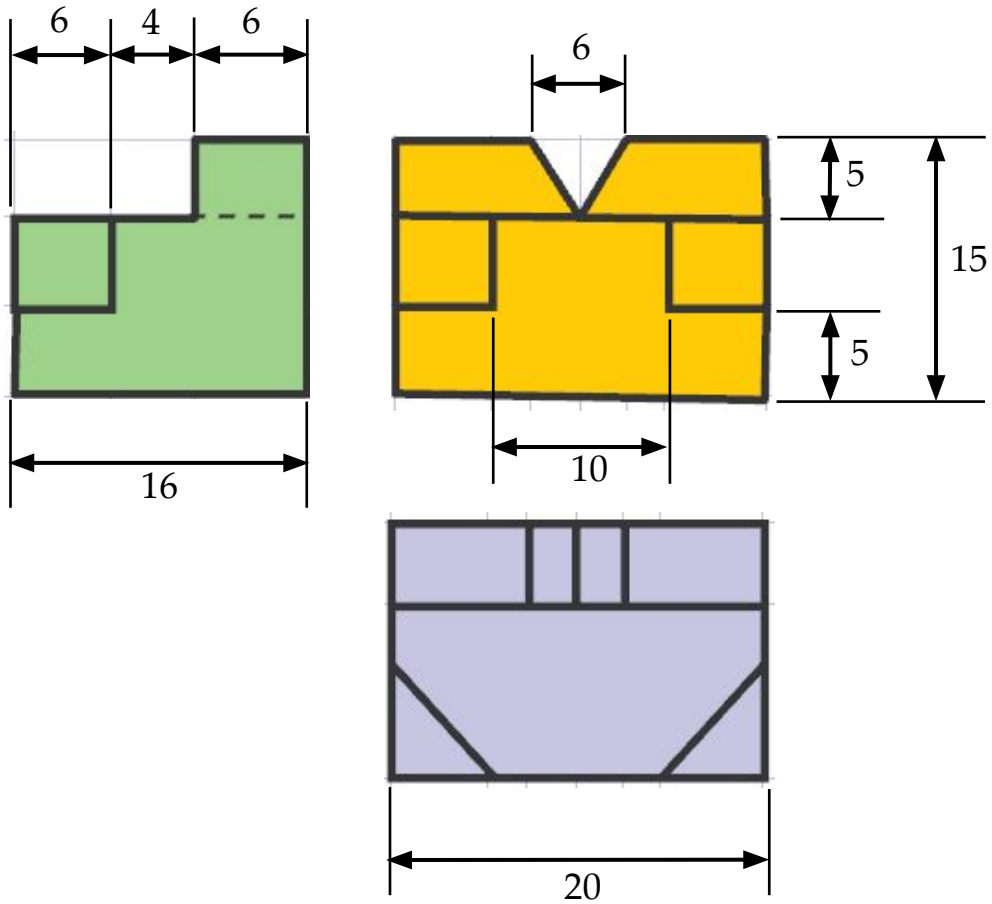
Isometric Drawing: Example 11



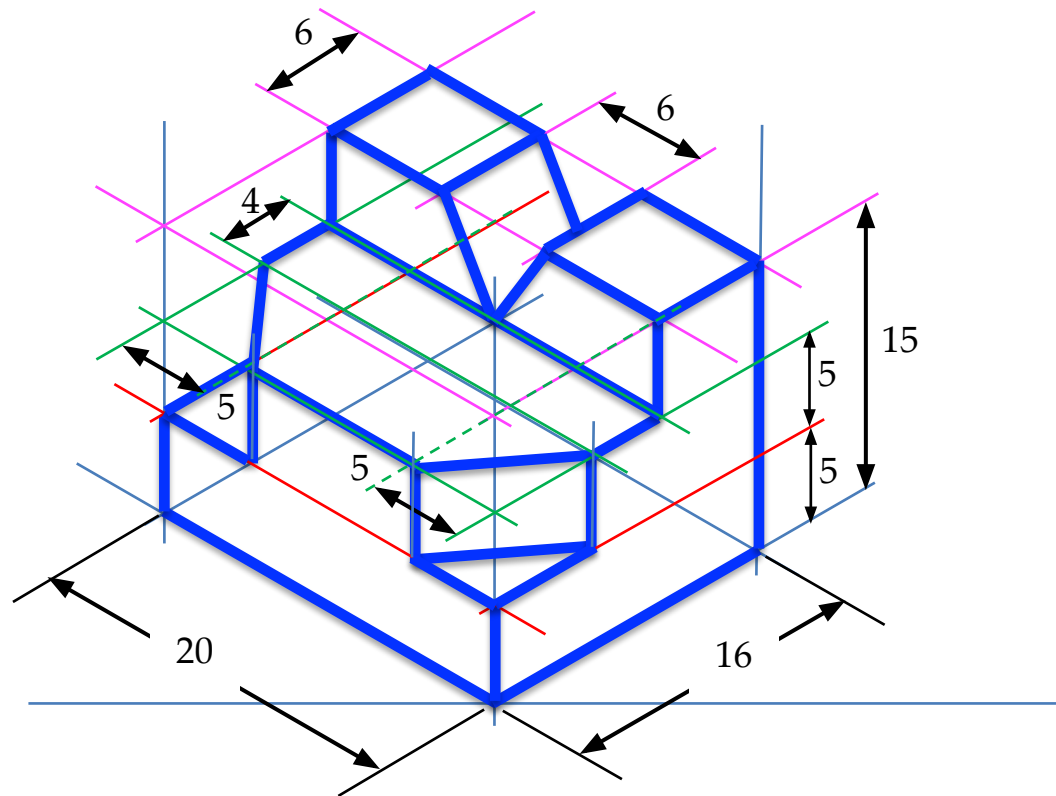
Isometric Drawing: Example 11



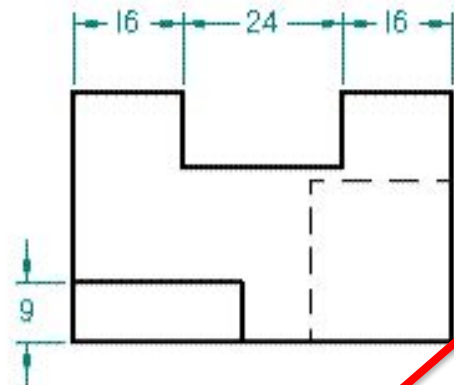
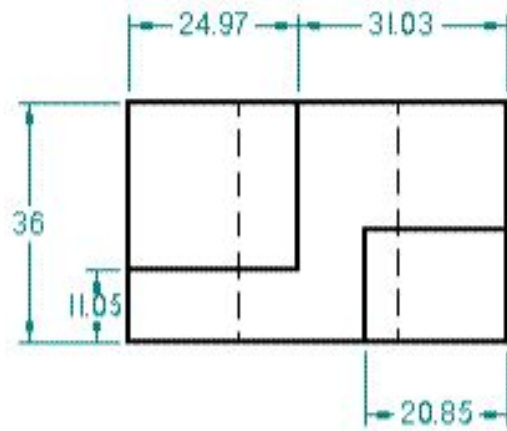
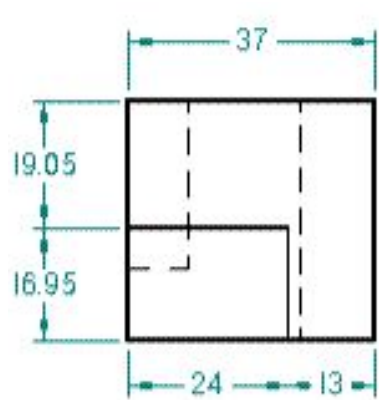
Example 12



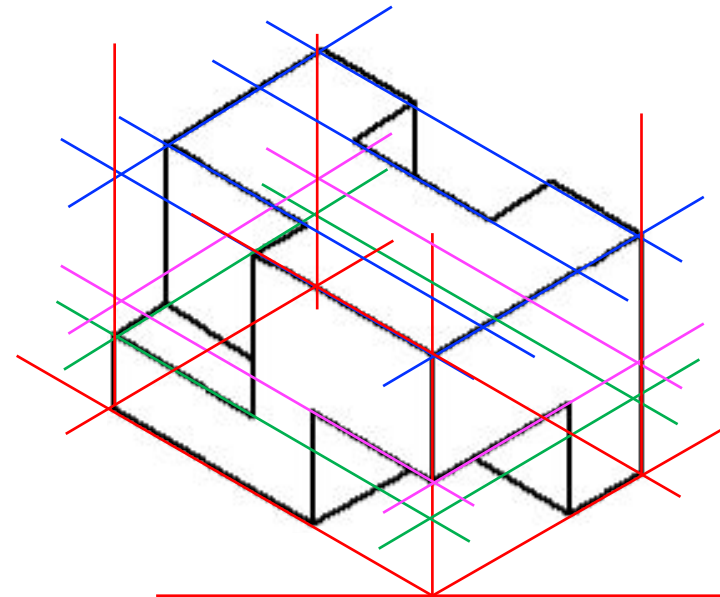
Example 12



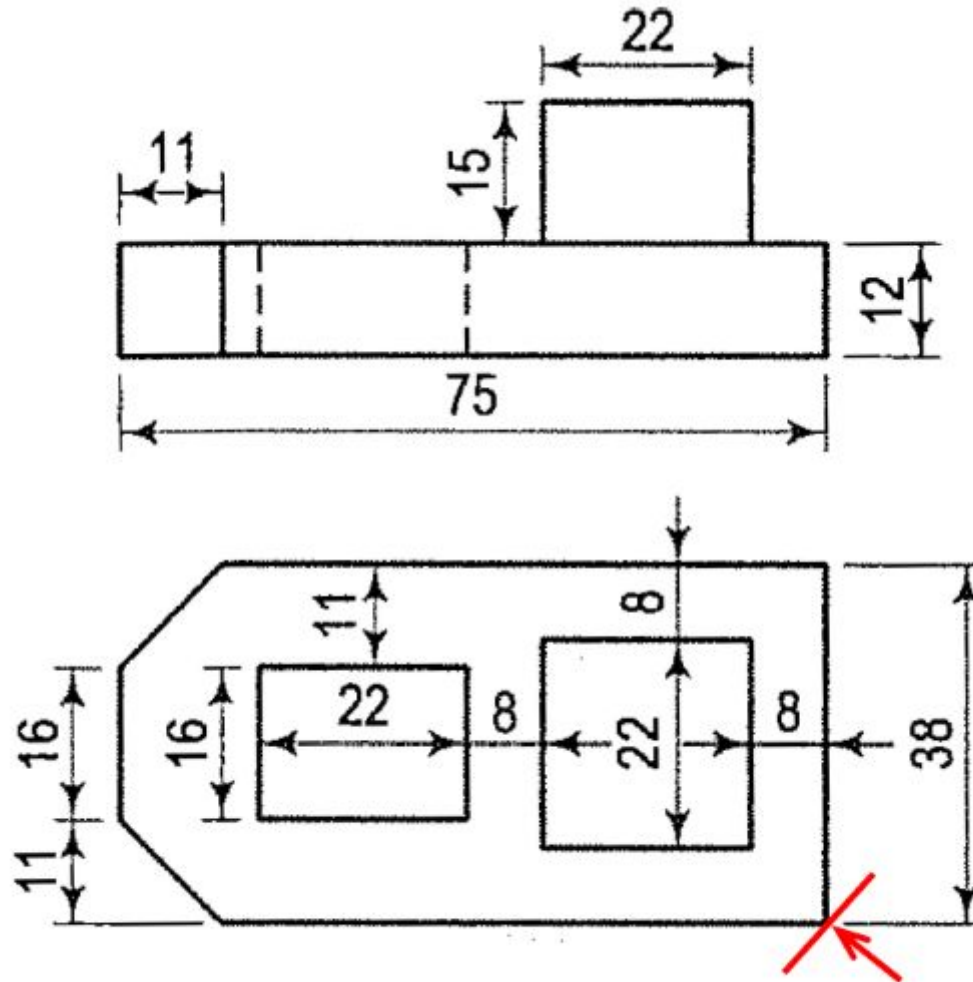
Example 13



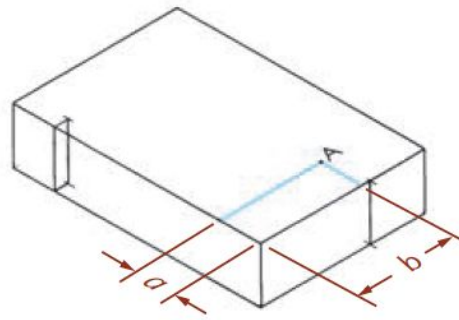
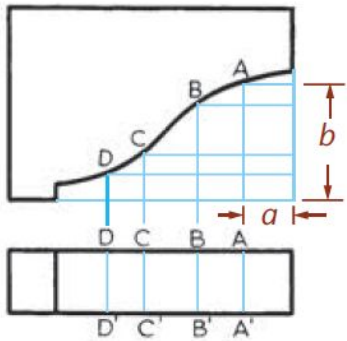
Front
view



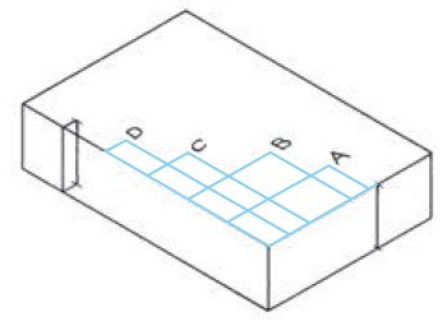
Example 14



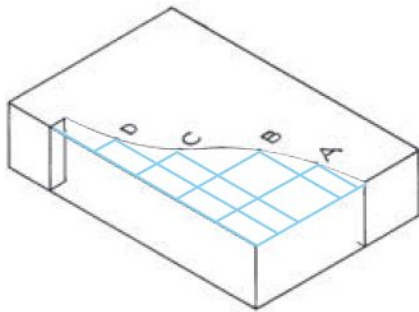
Curves in isometric projection



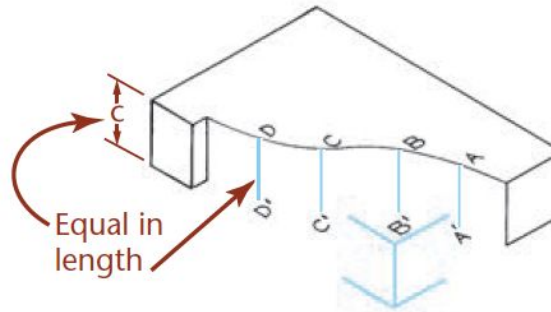
- 1 Use offset measurements a and b in the isometric to locate point A on the curve.



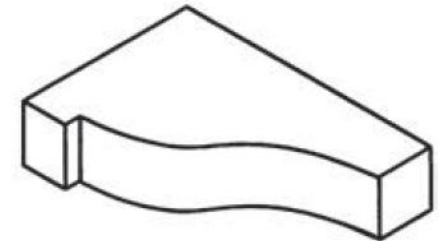
- 2 Locate points B, C, and D, and so on.



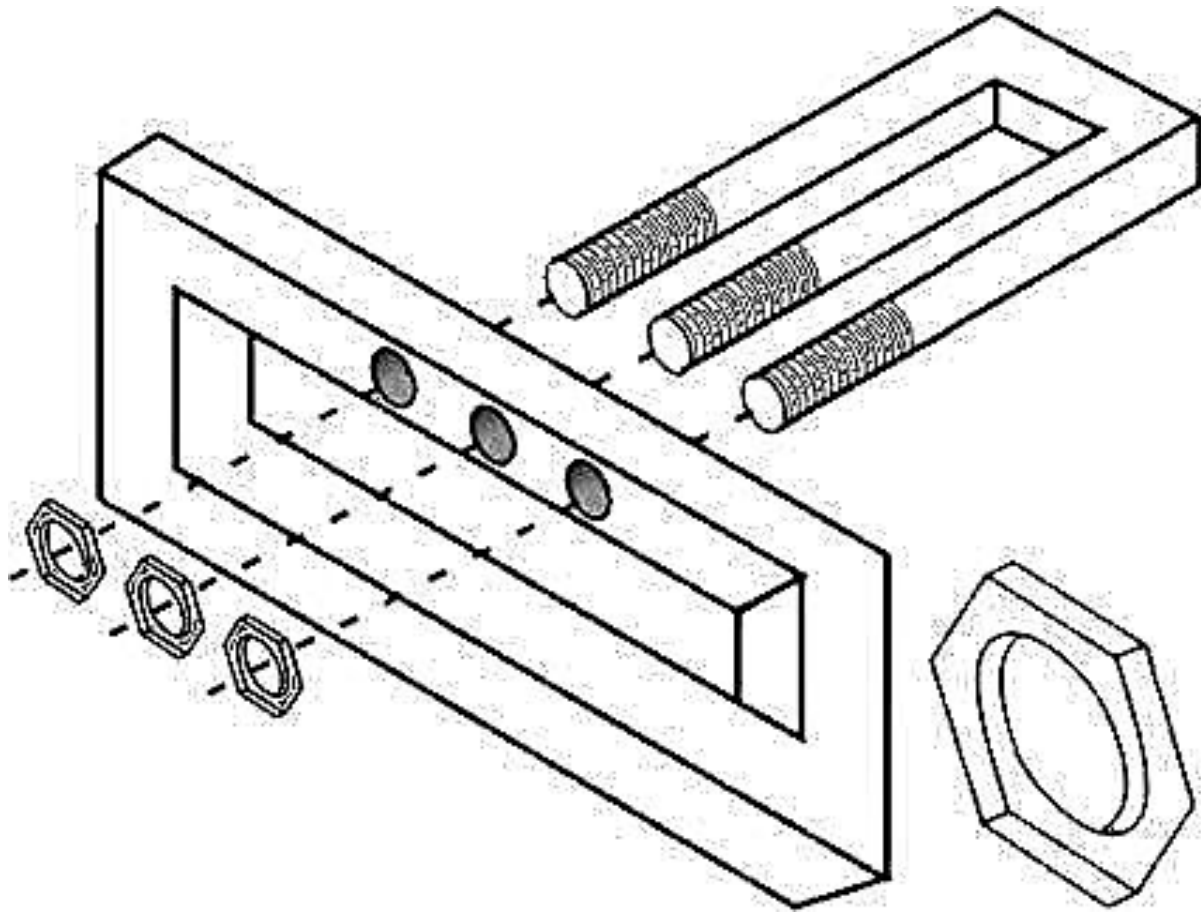
- 3 Sketch a smooth light freehand curve through the points.



- 4 Draw a line vertically from point A to locate point A', and so on, making all equal to the height of block (c), then draw a light curve through the points.



- 5 Darken the final lines.



Thank you

<https://www.goillusions.com/>