

## Graphical Representation.

### An introduction to 2D draughting using AutoCAD - Worksheet 1.

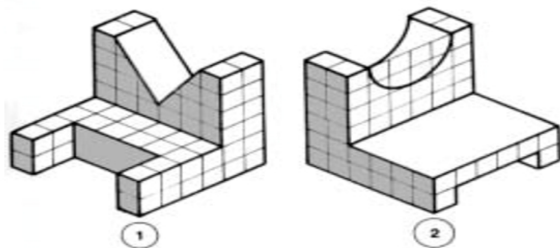
School of Engineering, Faculty of Technology.



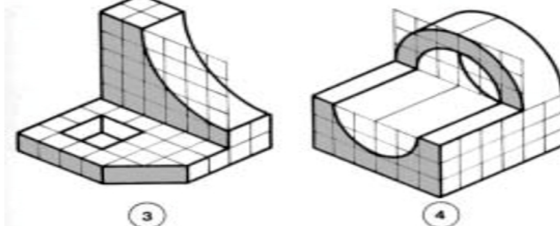
#### Creating orthographic projection drawings.


- 1) Using AutoCAD create a 3<sup>rd</sup> angle orthographic projection drawing of the wooden block supplied. Take approximate measurements using a ruler, Create a plan view, left hand and right hand views and front and back views.

- 2) Using AutoCAD create a first angle projection drawing of one of the objects below. Add dimensions to indicate the overall size and any other measurements required to build the shape. Include left, right, plan, front and back elevations. Assume each square block has a 1000mm side.



- 3) Using AutoCAD create a 3<sup>rd</sup> angle projection drawing of one of the objects below. Add dimensions to indicate the overall size and any other measurements required to build the shape. This time imagine the shape is a building and use appropriately oriented views to describe its shape.



 Remember, you would not show a building elevation either upside down or rotated around on its side!

