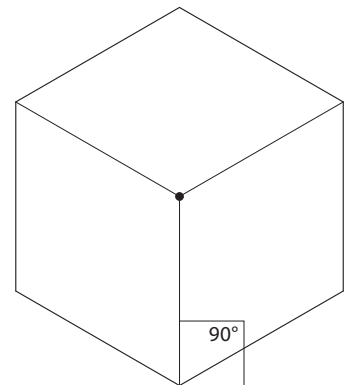
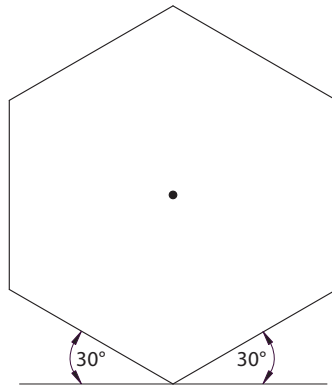
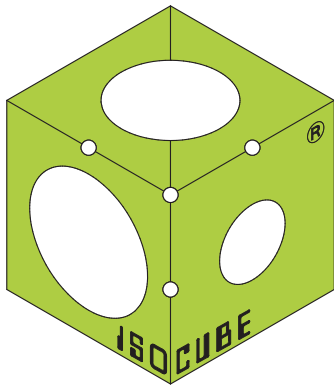


# ISO-CUBE<sup>®</sup>

## ESSENTIAL PRINCIPLES

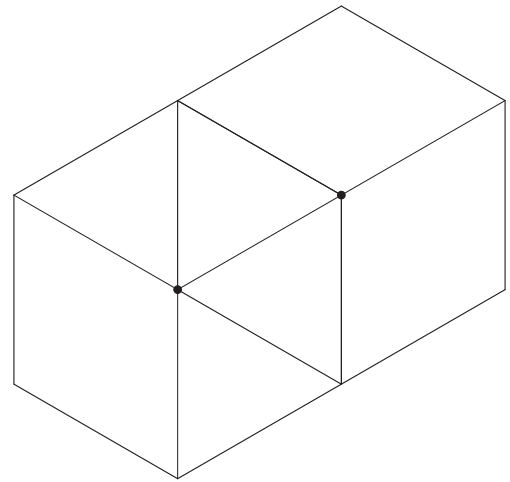
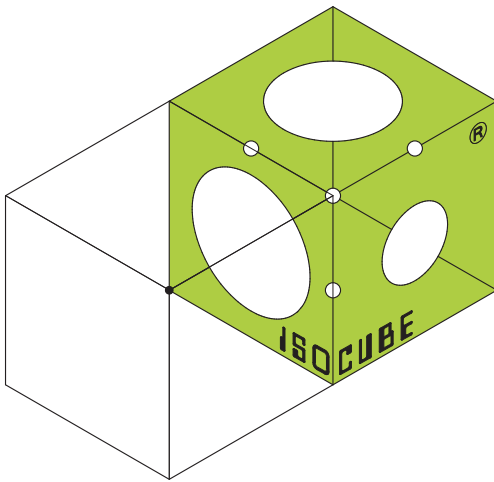
1.

**ISOMETRIC CUBE:** The isometric cube is created by drawing 30° and 90° lines, and drawing additional parallel lines to represent further faces of the cube. The Iso-Cube method is shown below.

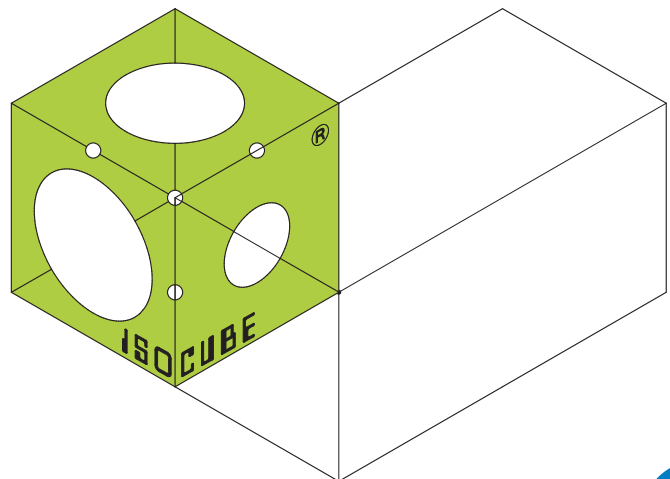
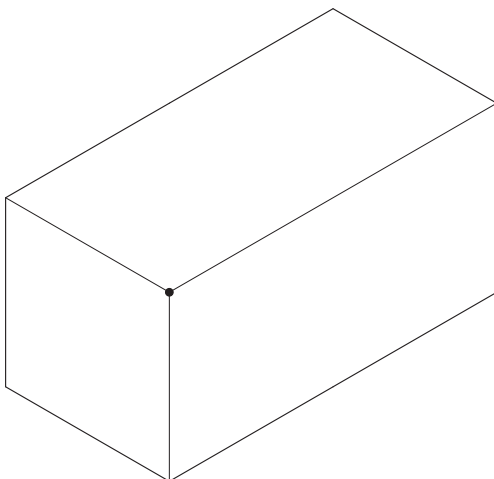


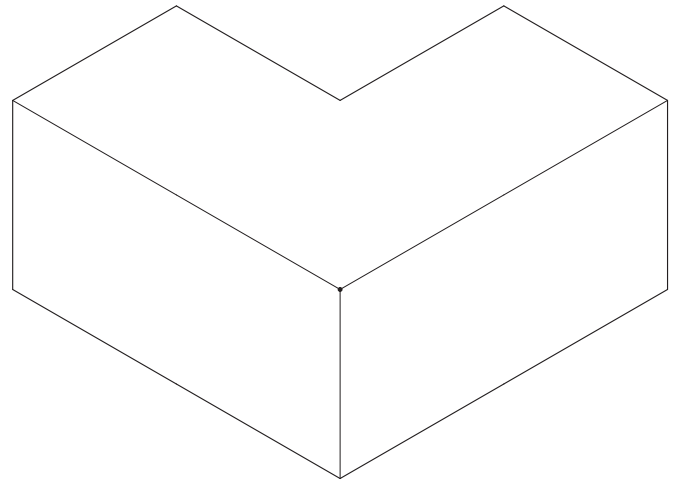
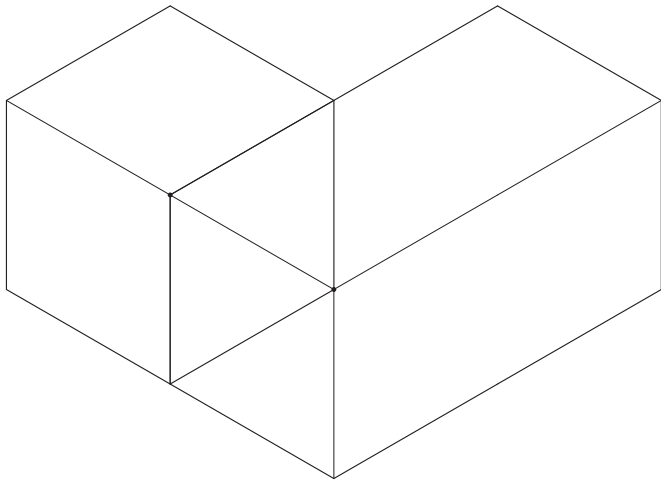
2.

**ISOMETRIC ADDITION:** The technique of overlaying an isometric cube to create initial cuboid forms, to then transform and conceptualise into 3D product drawings.

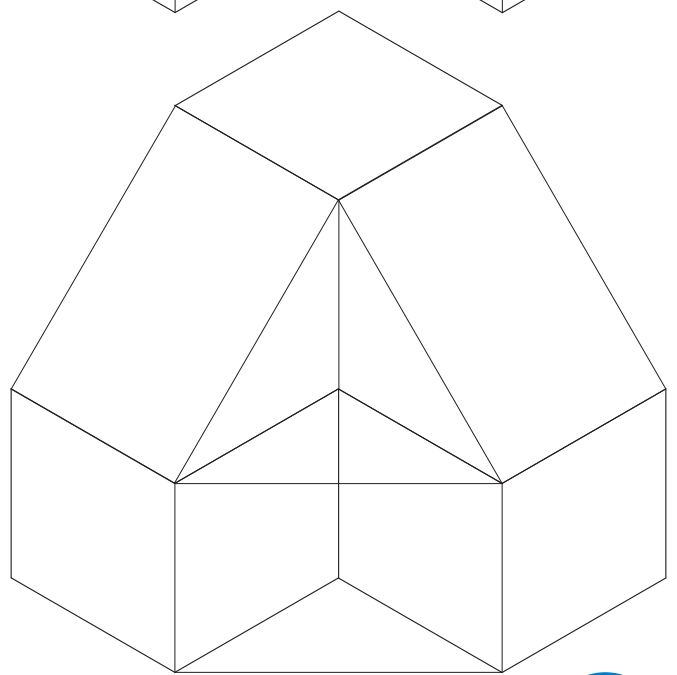
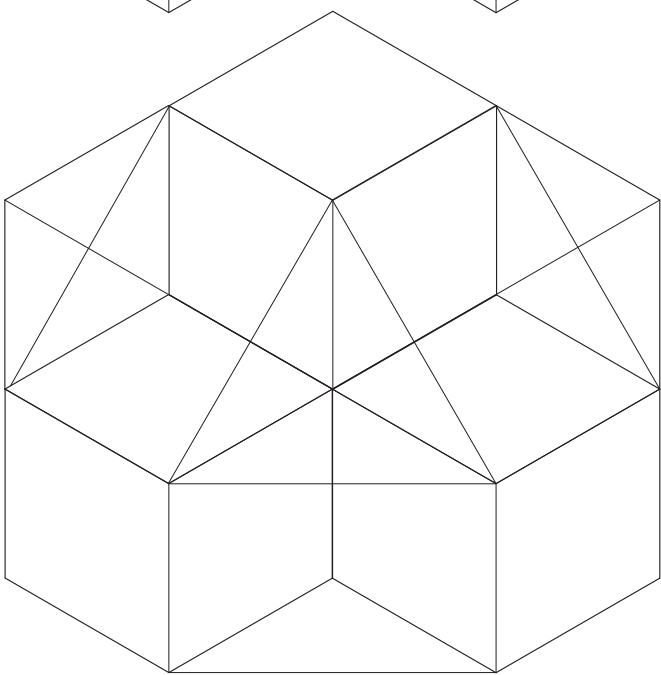
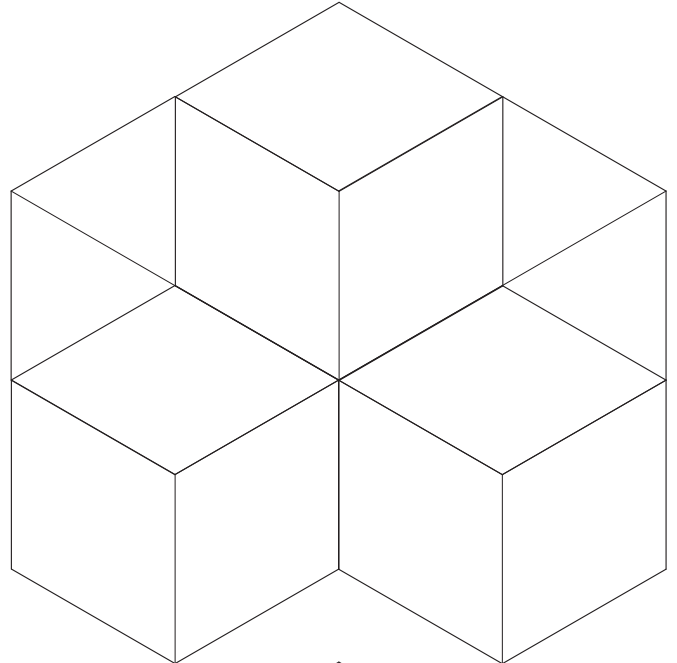
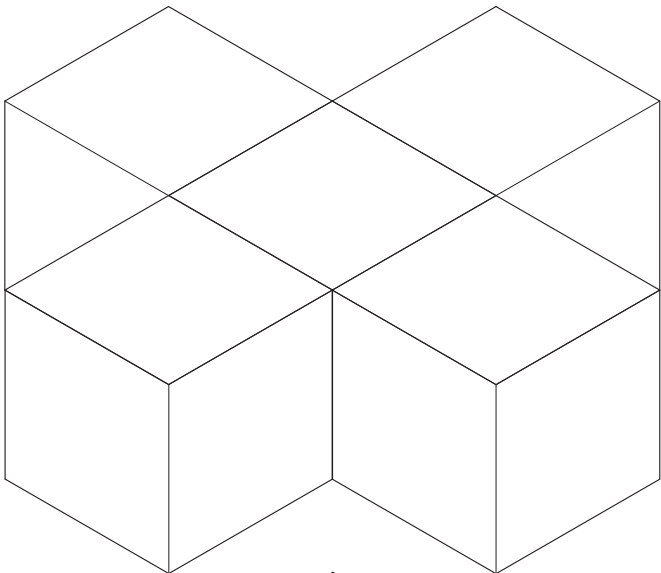


By overlaying the Iso-Cube, 3D drawings can be created using the 'Drawing-Block'<sup>™</sup> method.

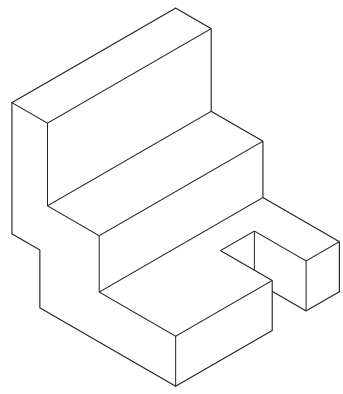
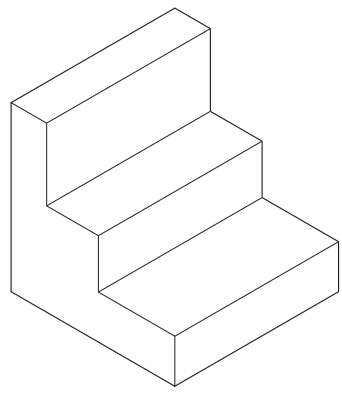
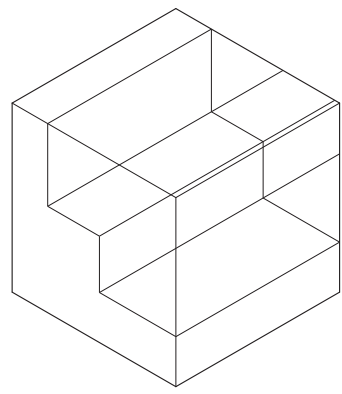
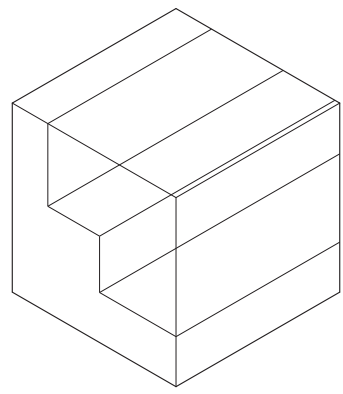
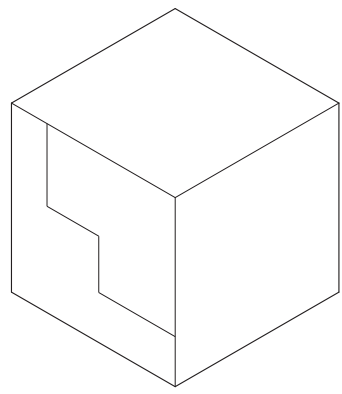
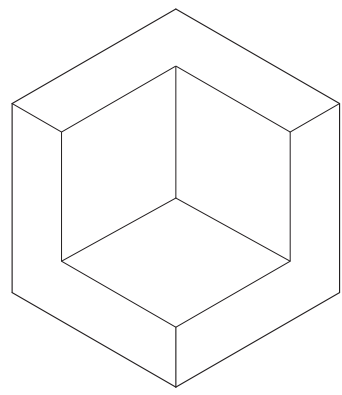
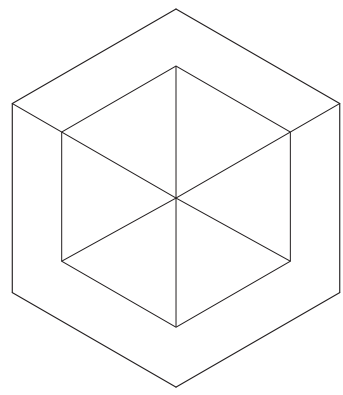
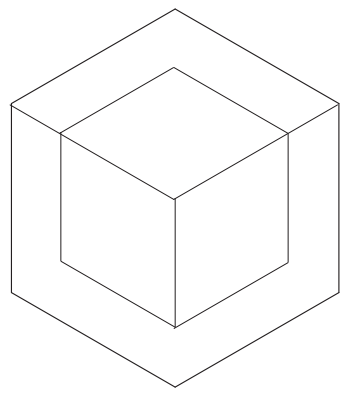
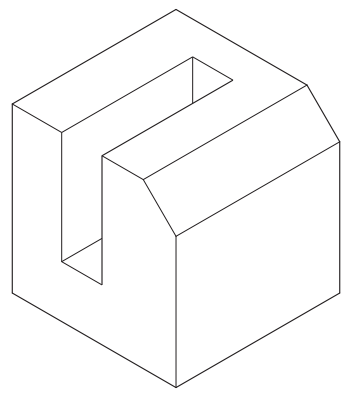
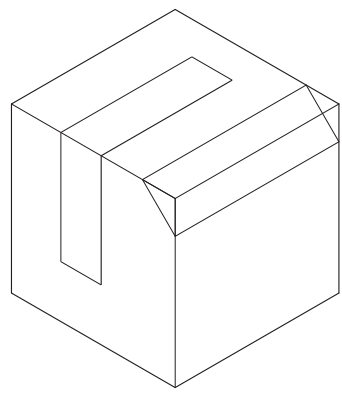




**3.** Utilising the 'Drawing-Block'<sup>™</sup> method - Complete the lunar Pod drawing...

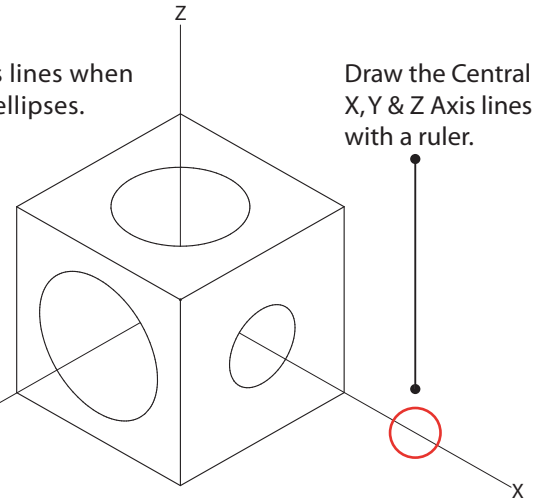
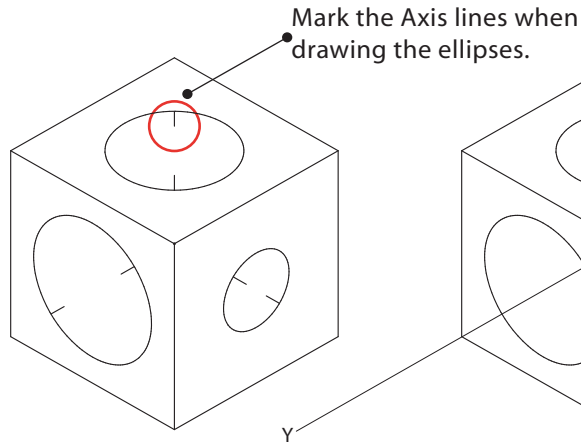
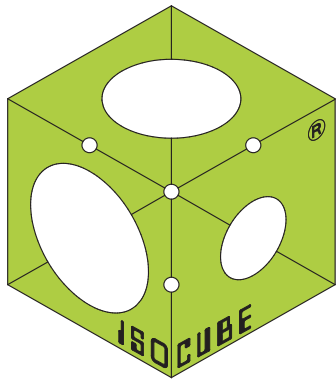


**ISOMETRIC SUBTRACTION:** The technique of removing sections from isometric cuboid forms, to enable the realisation of 3D product drawings. Work through the following shapes...

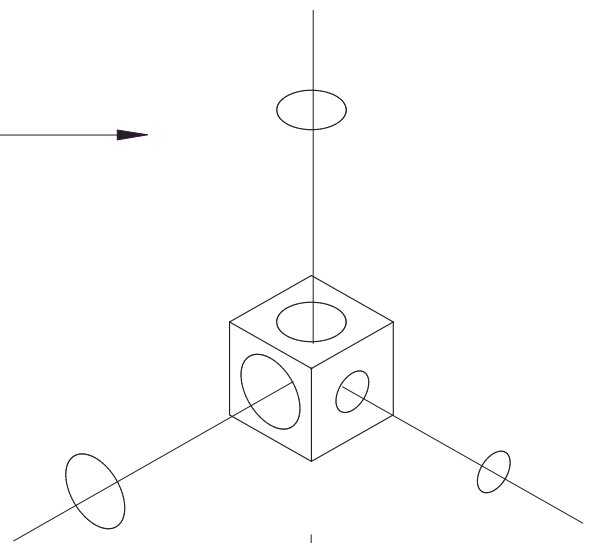
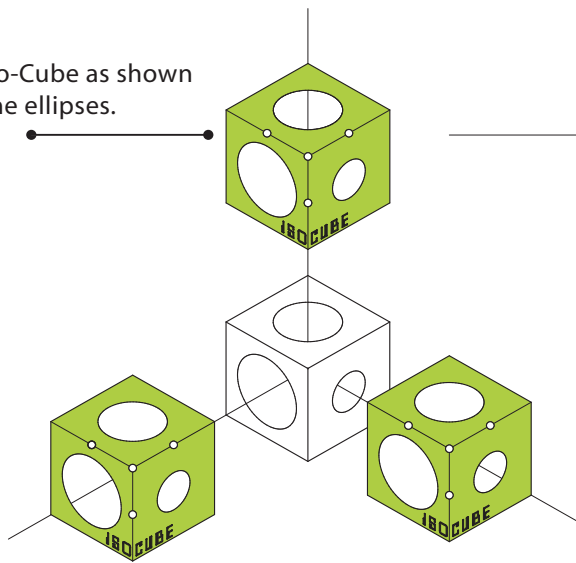


## 5.

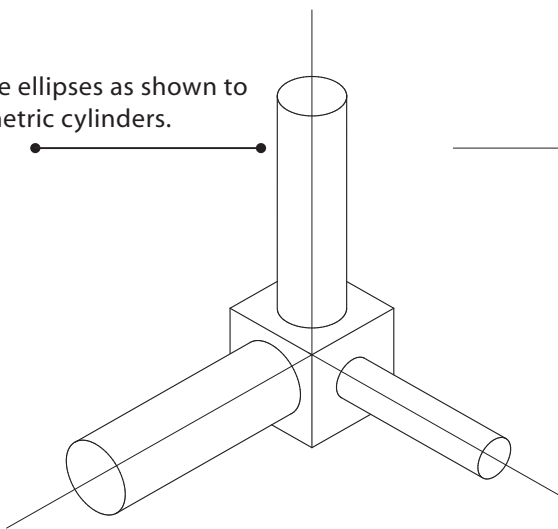
**ISOMETRIC ELLIPSES:** An Isometric ellipse is a cylindrical shape (tube) viewed at an angle. Drawing ellipses in the correct Axis is the key to creating funky 3D drawings.



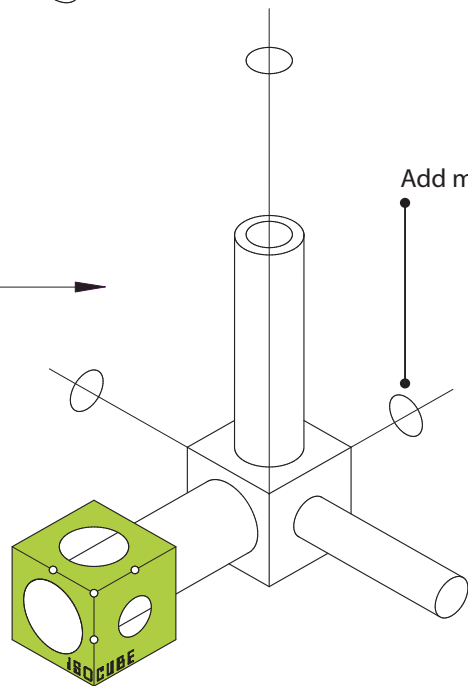
Align the Iso-Cube as shown and draw the ellipses.



Connect the ellipses as shown to create isometric cylinders.



Add more cylinders.



### Summary:

Using the Iso-Cube 'Drawing Block', Isometric Addition, Isometric Subtraction and Isometric Ellipse drawing techniques, any number of 3D Design drawings can be created - Now continue on and complete further **Machine Realm** tutorials.