AutoCAD and Its Applications ADVANCED 2015

Exercise 2-2

See act02-02.dwg available on the companion website.

- 1. Begin a new drawing based on the acad3D.dwt template. Select the 3D Modeling workspace.
- 2. Use the current 3D viewpoint or select one using the view cube.
- 3. Construct the following solid primitives.
 - A sphere 1.5" in diameter.
 - A cone 2.5" high with a base diameter of 1.5".
 - A box that is $3'' \times 2'' \times 1''$.
 - A wedge 4" long, 3" wide, and 2" high.
 - A cylinder 1.5" in diameter and 2.5" high.
 - An elliptical cone 3" high with a major base diameter of 2" and a minor base diameter of 1".
 - An elliptical cylinder with a major axis of 2", a minor axis of 1", and a height of 3".
 - A basic torus with a radius of 2" and a tube diameter of .75".
 - A self-intersecting torus.
 - A football-shaped torus.
 - A pyramid with a base diameter of 2" and a height of 3".
 - A frustum pyramid with a base diameter of 2", an apex diameter of .5", and a height of 2.5".
 - A polysolid 2" thick and 6" high using a variety of straight lines and curves.
- 4. Save your drawing as **EX2-2**.