Exercise 7-4

1. Start a new drawing.

2. Draw a circle with a radius of 12 units.

3. Using the same center point selected to draw the circle, draw a polygon with eight sides (an octagon). Draw the octagon circumscribed about a circle with a radius of 5 units.

4. Draw a triangle at the same center point circumscribed about a circle with a radius of 7 units.

5. Move the circle 20 units in the +Z direction.

6. Move the triangle 40 units in the +Z direction.

7. Rotate the UCS 90° around the Y axis.

8. Draw a polyline of your own design that intersects the plane of each cross section. The polyline does not have to intersect the cross sections themselves. Edit the polyline, turn it into a spline, and adjust the curvature as needed.

9. Create a loft using the octagon, circle, and triangle as the cross sections and the polyline as a path. If you receive an error, edit the polyline handles to remove some of the curvature and try again.

10. Save the drawing as EX7-4.

To continue practicing lofting, complete act07-04.dwg available on the companion website.