

Exercise 7-1

1. Start a new drawing.
2. Draw an arc anywhere on the screen. Make the radius approximately 5 units and the included angle 90° .
3. Rotate the UCS 90° about the X axis.
4. Draw another arc starting at one endpoint of the previous arc. Make the radius 20 units and the included angle 90° .
5. Start the **SWEEP** command, select the small arc as the profile, and select the large arc as the path.
6. Save the drawing as EX7-1A.
7. Start a new drawing.
8. Draw an ellipse with a major axis length of 15 units and a minor axis length of 6 units.
9. Rotate the UCS 90° about the Y axis.
10. Draw a 2D polyline starting at the center of the ellipse. Draw the polyline containing as many segments as you wish and in any shape. To create a smooth curve, edit the polyline, and turn it into a spline.
11. Start the **SWEEP** command, select the ellipse as the profile, and select the polyline as the path.
12. Save this drawing as EX7-1B.