Exercise 14-3

1. Continue from Exercise 14-2 or start AutoCAD.

2. Start a new drawing from scratch or use a template of your choice. Save the drawing as EX14-3.

3. Draw four polyline objects similar to the original polyline shown in Figure 14-7.

4. Use the **Fit** option of the **PEDIT** command to smooth the first copy.

5. Set the **SPLINETYPE** system variable to 5 for a quadratic curve.

6. Enter a value of 2 in the **Segments in a polyline curve** text box in the **Display resolution** area of the **Display** tab of the **Options** dialog box.

7. Use the **Spline** option of the **PEDIT** command to smooth the second copy.

8. Set **SPLINETYPE** to 6 for a cubic curve.

9. Enter a value of 20 in the **Segments in a polyline curve** text box in the **Display resolution** area of the **Display** tab of the **Options** dialog box.

10. Use the **Spline** option of the **PEDIT** command to smooth the third copy.

11. Enter a value of 8 in the **Segments in a polyline curve** text box in the **Display resolution** area of the **Display** tab of the **Options** dialog box.

12. Compare the original polyline to the three new curves and observe the smoothness of each curve.

13. Resave and close the file.

14. Keep AutoCAD open for the next exercise, or exit AutoCAD if necessary.