



**Figure 6.10** Sierpinski triangles: The Sierpinski-Gasket L-system rules convert each line segment into three new line segments that form a triangle. Unlike the other two L-systems, the Sierpinski-Maze is totally unconnected. The Sierpinski-Arrowhead is formed by one long and continuous curve. These three L-systems also illustrate how to use multiple rules. In this case we have expanded the “G” turtle graphics command so as to increase the distance between line segments.