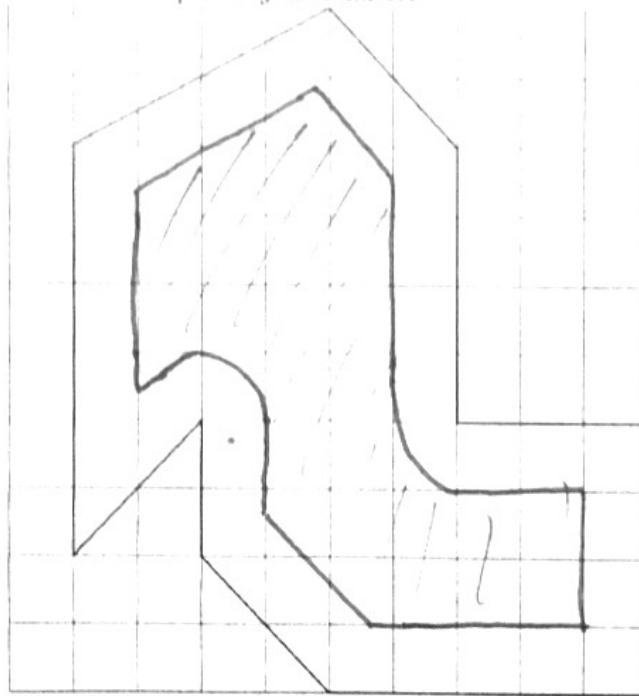
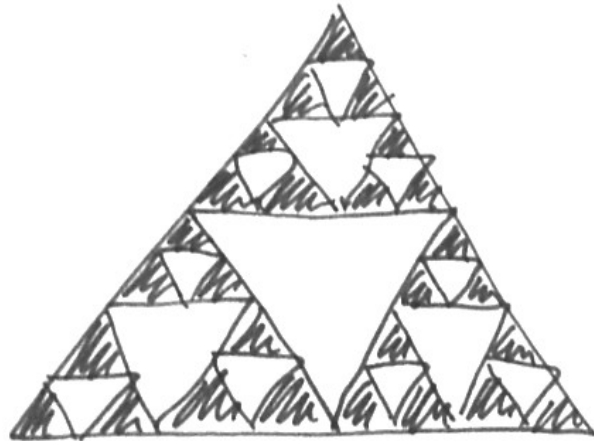


Two pages, 3 problems, 10 points. Show all work. No calculators.

**Problem 1** (2 points). Suppose you are inside the following curve and have to stay one unit away from the boundary. Shade in all the places you could be.



**Problem 2** (2 points each). Draw a Sierpinski gasket.



Explain in words what Sierpinski gasket is and how to draw it.

Draw an equilateral triangle. Inside it, draw the biggest possible ~~up~~ equilateral triangle that is upside down compared to the first one. Outside of it are three right-side-up triangles. For each one, repeat the procedure, giving 9 total right-side-up triangles. Repeat forever.

