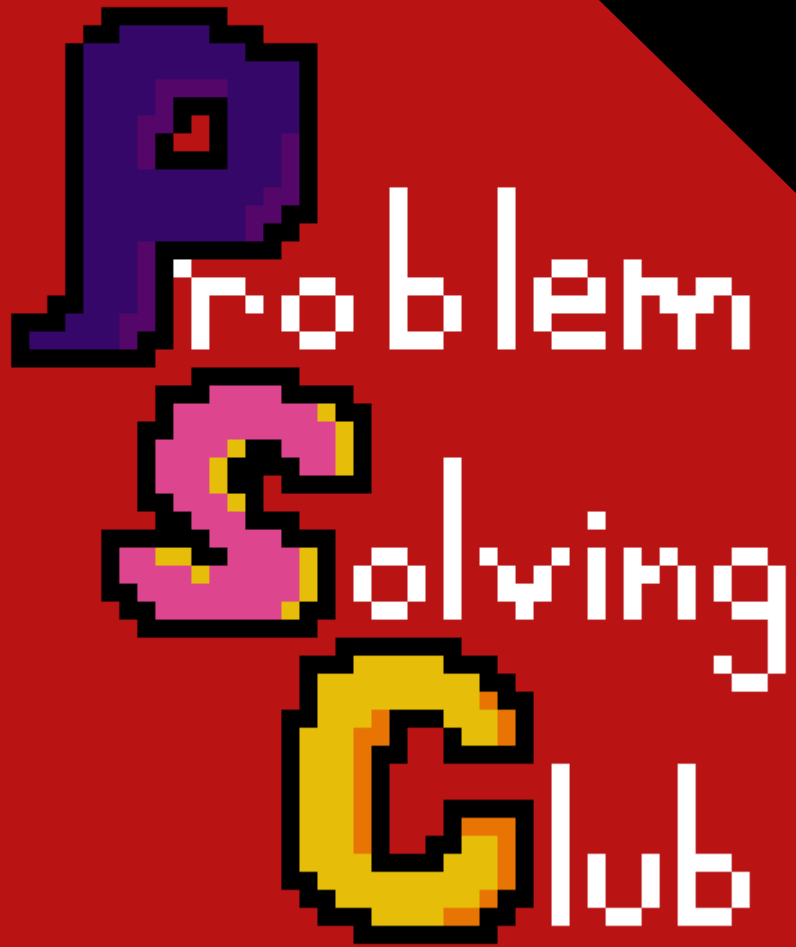
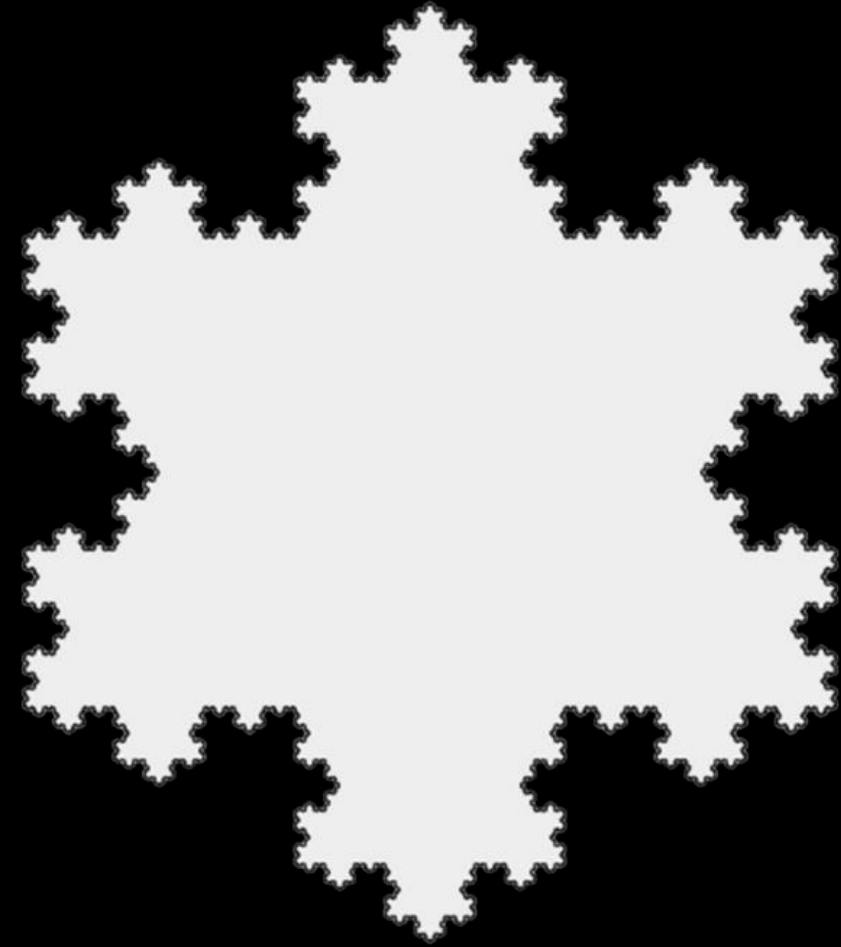
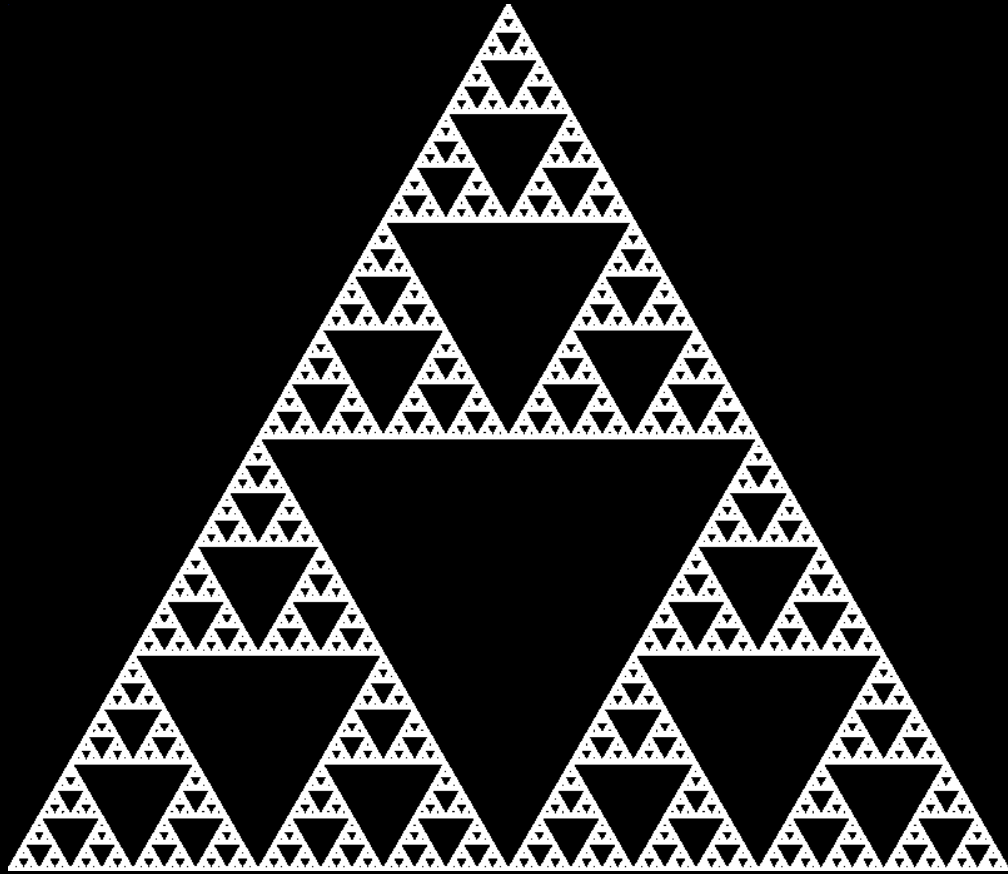


16 February 2022



Fractals

Fractals



Fractals



Week 17 – Feb 16



1. An equilateral triangle starts off with a side length of 1m. It is then iterated into a Koch Snowflake.

a) What is the **area** of the fractal?

b) What is the **perimeter** of the fractal?

2. Start with a **1x2 rectangle**. Place a square on the longer side of the rectangle to make another rectangle. **Repeat** adding these squares to the new rectangle. What does the **ratio** between the two sides of the rectangle go to as this is repeated over and over?

3. Look up the **Mandelbrot set**. Its main section is shaped like a rounded heart. What is that shape called?