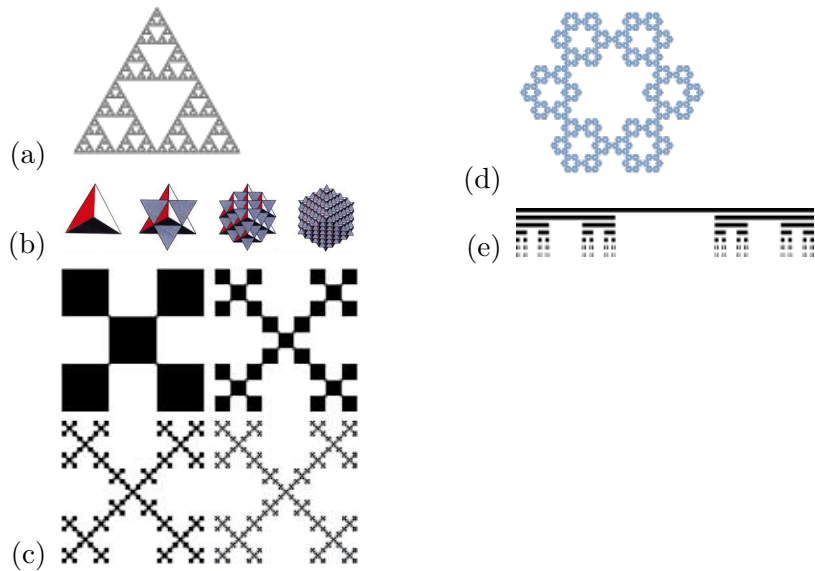
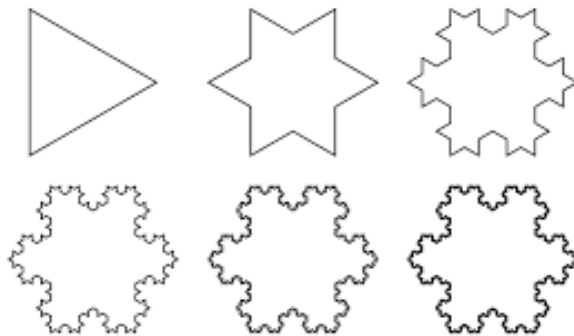


Homework

1. Compute the dimension of the following fractals.

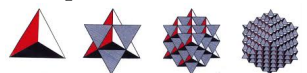


2. Back to our snowflake. Can you compute the perimeter of the snowflake?



Assuming the first image has sides of length 1 then I get the first image has 3 sides of length 1, so perimeter of 3 units. And the second image has edge lengths of $\frac{1}{3}$ and has 12 edges; so the perimeter for the second shape is 12 times $\frac{1}{3}$ which is $\frac{12}{3}$.

3. Compute the surface area of



4. Design your own fractal and try to test the Professors.