

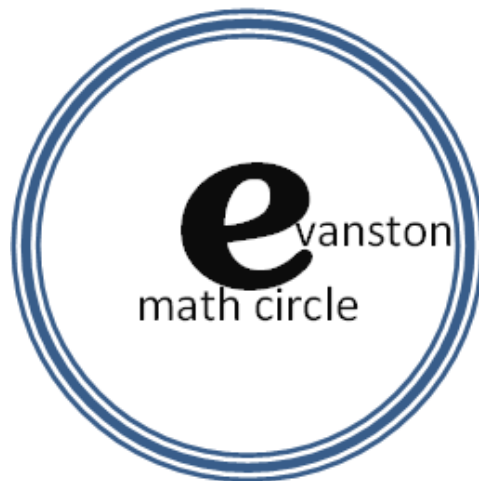
# Fractal Fun

Bring a ruler and a hearty eraser because we will be doing a lot of drawing!

A fractal is a type of geometric figure which has many, many, many symmetries within. If you've ever zoomed in on a picture and seen the SAME EXACT picture, then you've seen a fractal. A cool video can be found at <https://kottke.org/10/02/insanely-deep-fractal-zoom> or by googling fractal zoom and clicking youtube links.

The study of fractals typically requires computers, but one particular example, known as the Koch snowflake, can be drawn by hand. We will recreate the Koch snowflake on paper and learn how a shape with finite area can have infinite perimeter. Come join us at the:

## **EVANSTON MATH CIRCLE** **Saturday, February 15**



**Northwestern University**  
**Lunt Hall Room 218, 11:00 AM to 12:30pm**

Math Circle is geared towards eager middle-school students, but students of other ages and backgrounds are welcome as well. More information is available at <http://www.math.northwestern.edu/~scanez/mathcircle/>