**fractals.py**

```python
class KochCurve(Scene):
    def construct(self):


        l = Line([-4, 0, 0], [4, 0, 0], color = WHITE)

        self.add(l)
        self.wait()

        gPrev = VGroup(l)
        gNow = VGroup()

        maxIter = 4

        for i in range(maxIter):
            gNow = VGroup()
            for l in gPrev:
                direction =  l.get_start() - l.get_end()
                l1  = l.copy().scale(1/3).shift(direction/3)
                l2 = l.copy().scale(1/3).shift(-direction/3)
                l3 = l.copy().scale(1/3)
                pt = l3.get_start()
                l3.rotate(PI/3, about_point = pt)
                l4 = l.copy().scale(1/3)
                pt = l4.get_end()
                l4.rotate(-PI/3, about_point = pt)

                gNow.add(l1, l3, l4, l2)

            self.clear()
            self.play(Write(gNow))
            self.wait()
            gPrev = gNow
```