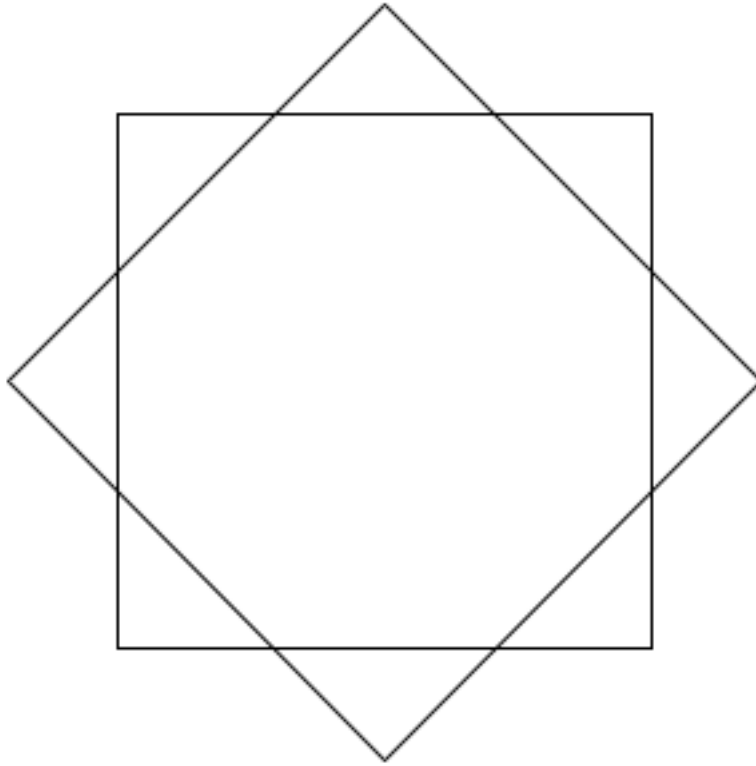## 1. Problem Statement

Using Python's turtle graphics package, implement a program that draws the following image.

The drawing consists of two concentric squares. They are both the same size with 200-pixel sides. The second is offset from the first by 45°.

The file you submit should be your Python solution program, `diamond_square.py`.

Hint: You may find the `sqrt()` function in the math library helpful.

You will not receive full credit if your program does not reuse some of its own functions to solve the problem.

Submit your code file to your section's MyCourses drop box for this week's homework.