

I. Playing with AnySpiral

1. Add some color changes
2. Add some line size changes
3. Try different values for the parameters (angle, numsides, increase). What can you make?

II. Houses!

1. Write the Triangle function to draw a triangle with sides of length 100. (Ask for help if you don't know the right angle for the triangle.)
2. Write the SimpleHouse function to draw a house made of a square and a triangle.
3. Write the HouseRow function to draw a row of 5 houses with spaces between them.
4. Write the House function with an input "size" to draw a house of any size. First, you will have to change your Square and Triangle functions to take a "size" input also. Make sure your modified Square and Triangle functions are working before trying the House function.
5. Write the HouseShrink function to draw the row of 5 houses, but where each house is smaller than the last.

III. TeachMultiplication challenge

1. Fix the TeahMultiplication function so that it draws the circles in a rectangular grid instead of a line.
2. **Big challenge:** Make a program that asks you for two numbers, a and b, and shows you that $a \times b$ is the same as $b \times a$. For instance, if you enter 2 and 3, it would draw a 2 x 3 grid and a 3 x 2 grid so you can see that the answer is 6 is both cases.