Exercise 5.7.17

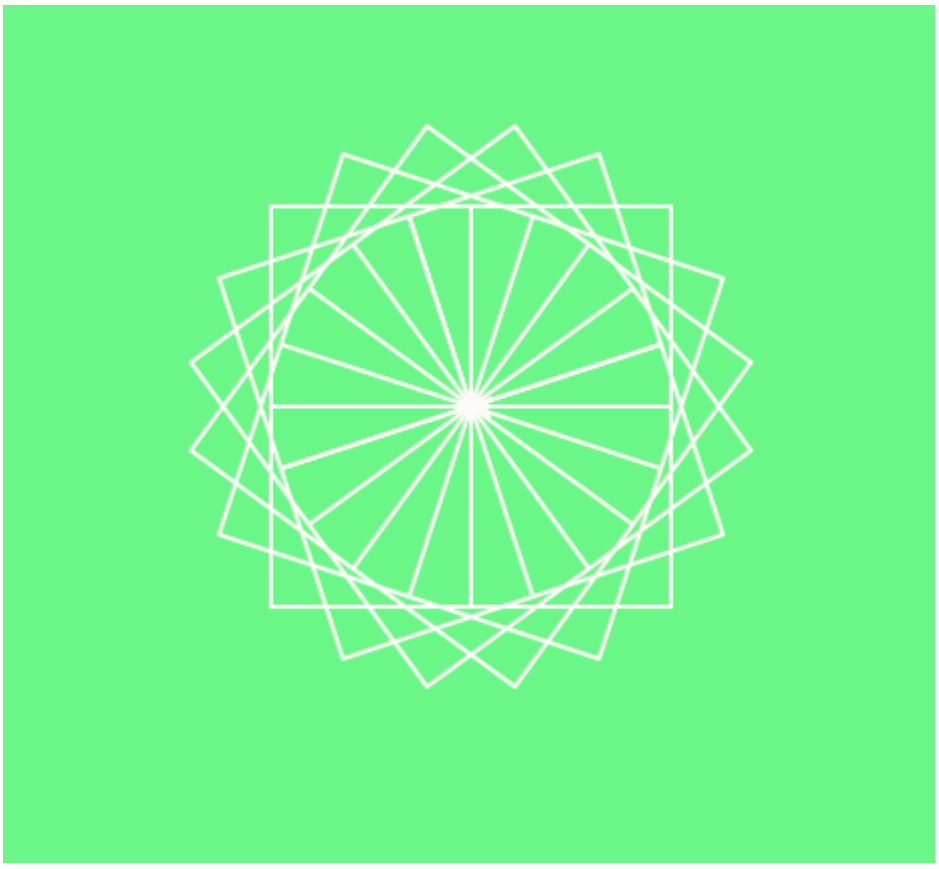
```
# Exercise_5.7.17

import random


for num in range(10):

    a_number = random.randrange(25, 36)

    print(a_number)
```

```
>>>
=== REST
28
35
33
31
27
26
35
30
34
26
>>>
```

Exercise 6.13.4

```
# Exercise_6.13.4


import turtle

wn = turtle.Screen()

wn.bgcolor('lightgreen')

zoomy = turtle.Turtle()

zoomy.color('Snow')

#zoomy.shape('circle')

zoomy.pensize('2')
```

```
for i in range(5):
    for i in range (4):
        for i in range(3):
            zoomy.forward(100)
            zoomy.left(90)
        zoomy.forward(100)
    zoomy.right(36)
wn.exitonclick()
```

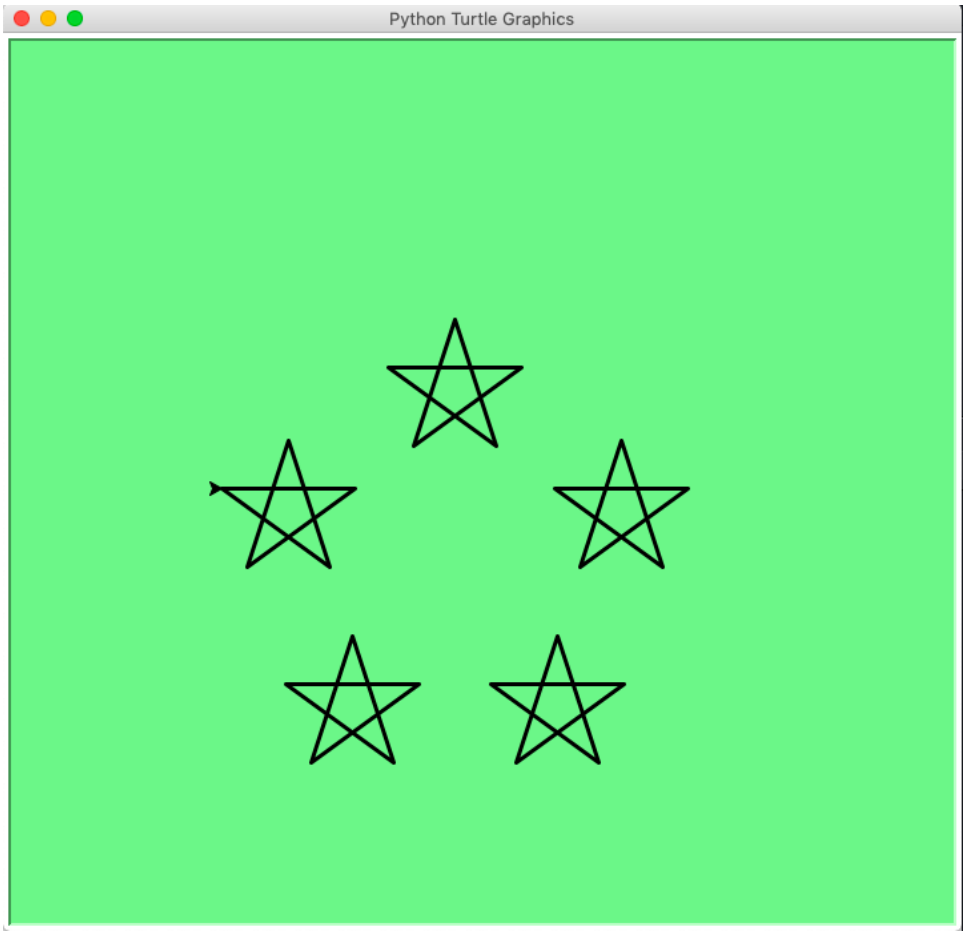


Exercise 6.13.10

```
# Exercise_6.13.10
```

```
import turtle
wn = turtle.Screen()
wn.bgcolor("lightgreen")
zoomy = turtle.Turtle()
zoomy.pensize('3')

def star(turtle):
    for i in range(5):
        turtle.forward(100)
        turtle.left(216)

def five_stars(turtle):
    turtle.up()
    turtle.left(180)
    turtle.forward(200)
    turtle.right(180)
    turtle.down()
    for i in range(5):
        star(turtle)
        turtle.up()
        turtle.forward(350)
        turtle.right(144)
        turtle.down()

five_stars(zoomy)
wn.exitonclick()
```

Sophia Miles



Exercise 6.13.14

```
# Exercise_6.13.14


def mySqrt(n):
    initial = n/2
    guess = initial
    for num in range(100):
        guess = (1/2) * (guess + (n/guess))
    return(guess)


number = int(input("What number do you want the sqrt of?"))
mySqrt(number)
```

Sophia Miles

result = mySqrt(number)

print(result)

```
=== RESTART: /Users/s.miles1313/Desktop/
What number do you want the sqrt of?5
2.23606797749979
>>>
```

(When the number being squared is 5.)

```
=== RESTART: /Users/s.miles1313/Desktop/C
What number do you want the sqrt of?100
10.0
>>>
```

(When the number being squared is 100.)
