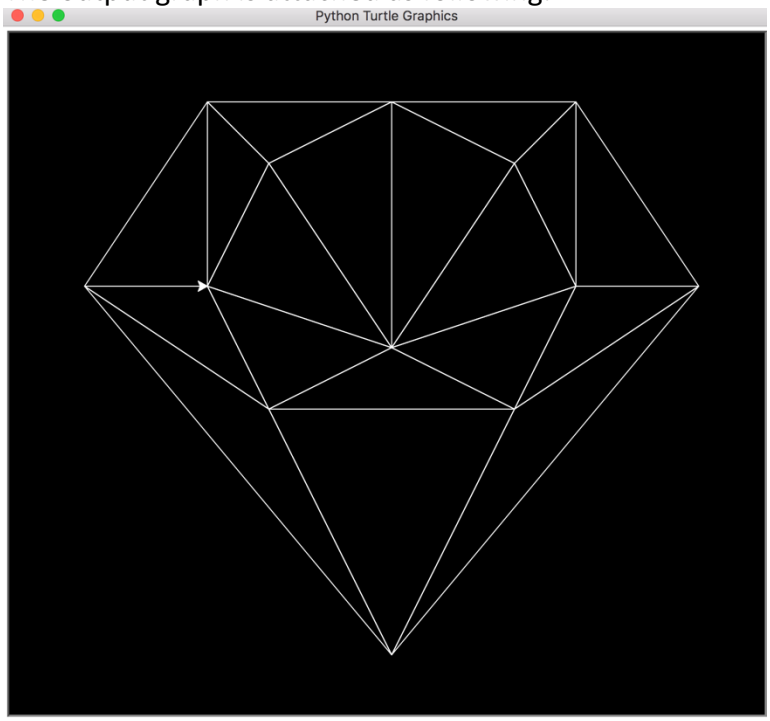
To run the file, type: python P3_2.py

Sample Input:
The test cases cover all different cases for point's location corresponding to the triangle.
testPoints.txt:
0 6
2 9
5 0
8 9
10 6
2 6
7 8
3 4
5 5
7 4
3 8
5 9
8 6

Sample Output:
The number of Triangles is 18
The number of vertices is 13
The number of edges is 29

The output graph is attached as following:



The code also runs correctly on the sample runs given on the moodle.