OOP Assignment 9

Due: 11:59 p.m., 1 June2016

Problem. The File.zip has four text documents. Based on the code of 2016-0525, write the function to read the file, create Convex Polygon or Circle, and write unit test for testing each file.

T1 (50 points): file1.txt contains a Convex Polygon with vertices (0,0), (3,0), and (3,4). Your test should be enough to show that the convex polygon is correctly created.

T2(20 points): file2.txt should cause an exception to be thrown.

T3(20 points): file3.txt contains a circle with center (0,0) and radius 1. Your test should be enough to show that the circle is correctly created.

T4(10 points): file4.txt should cause an exception to be thrown.