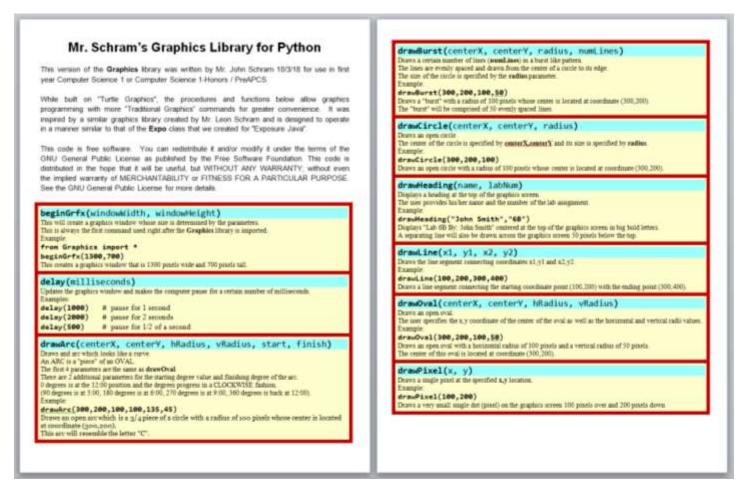
I GOILIBAIGI GOIGILIGG I	Lab 06B Practice/Perform Major Python Assignment
The Graphics Library Program	50, 60, 70, 80, 90, 100 & 110 Point Versions

Assignment Purpose:

The purpose of this program is to demonstrate knowledge of calling, and using correct argument passing with several of the procedures from the **Graphics** library.

Write a program, which displays several geometric designs using the provided **Graphics** library. This is your first Practice/Perform lab. You will have 1 day to *practice* this assignment. On the practice day you can ask questions and get help. Then you need to *perform*. On this day you need to do the lab, from scratch, for a grade – with no help. Some teachers call this "The Day of Reckoning".

Whether practicing or performing, you will be provided with a skeleton program. Your job is to use the proper procedures from the **Graphics** library along with the correct argument values to match the output shown on this assignment. Students are allowed to refer to the **Graphics Library Reference** document while practicing <u>AND</u> when they do the lab for a grade. In fact, students may refer to this document during any lab and any test. The first couple pages of the document are shown below. The entire document can be found in the **IntroCS-Graphics Files** subfolder of your **LearnIntroCS** folder.



Lab 06B Student Version

Do not copy this file, which is provided.

```
1 # Lab06Bst.py
 2 # "The Graphics Library Program"
 3 # This is the student, starting version of Lab 06B.
 4
 5
 6 from Graphics import *
 7
 8 beginGrfx(1300,700)
 9
10 # Substitute your own name here.
11 drawHeading("John Smith","6B")
12
13
14 # DRAW CUBE
15
16
17
18 # DRAW TARGET
19
20
21
22 # DRAW 7-SIDED DESIGN
23
24
25
26 # DRAW STOPLIGHT
27
28
29
30 # DRAW JPIIHS
31
32
33
34 # DRAW SMILEY FACE
35
36
37
38 # DRAW WEIRD TRIANGLE
39
40
41
42
43 endGrfx()
44
```

50, 60, 70, 80, 90, 100 and 110 Point Versions

The 50-point version displays any 1 of the 7 pictures below.

The 60-point version displays any 2 of the 7 pictures below.

The 70-point version displays any 3 of the 7 pictures below.

The 80-point version displays any 4 of the 7 pictures below.

The 90-point version displays any 5 of the 7 pictures below.

The 100-point version displays any 6 of the 7 pictures below.

The 110-point version displays ALL 7 pictures below.

NOTE

The pictures do not need to look exactly as they appear below. They should be very similar. They also should not overlap with any other picture.

The *Target* must have 5 *concentric circles*. The spacing between all the circles should be the same.

The 7-Sided-Design is made by placing a black 7-point burst on top of a white 7-point filled star on top of a black 7-sided filled regular polygon.

The Face should be made up of 3 ovals, 3 arcs and 2 points.

In the *Triangle*, each of the 3 *interior lines* connects a *corner* to the *midpoint* of the line segment on the opposite side. The triangle does not need to be *equilateral*, but it does need to be *isosceles*.

