Name: Rachel Collier

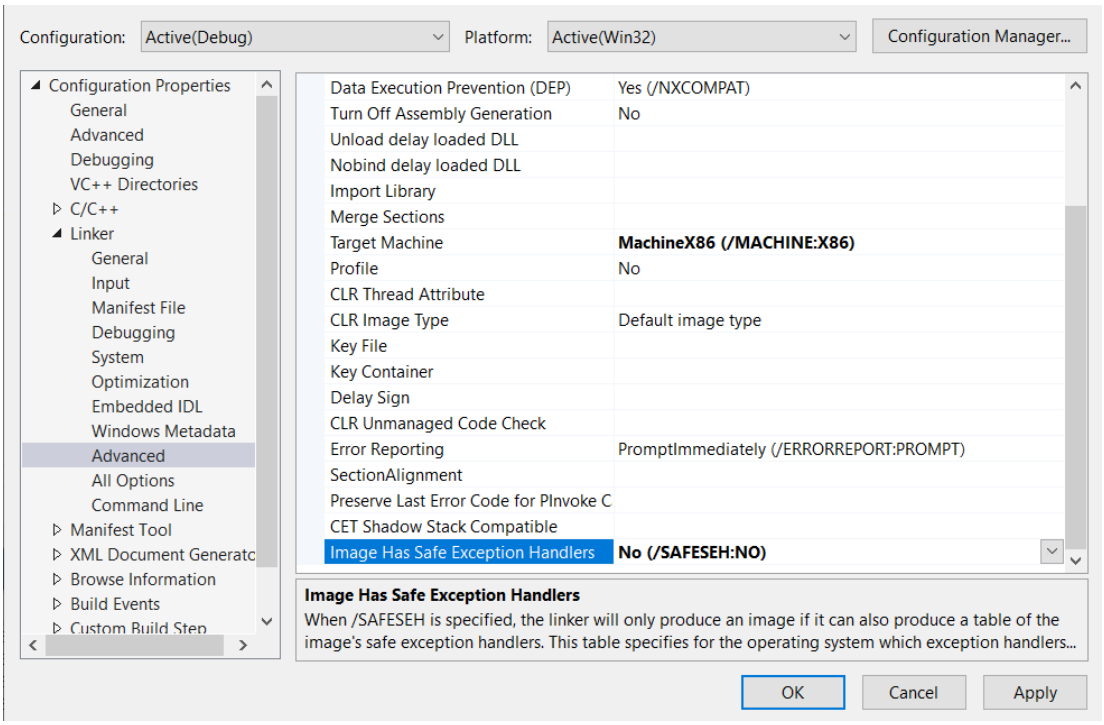
Total score: 100

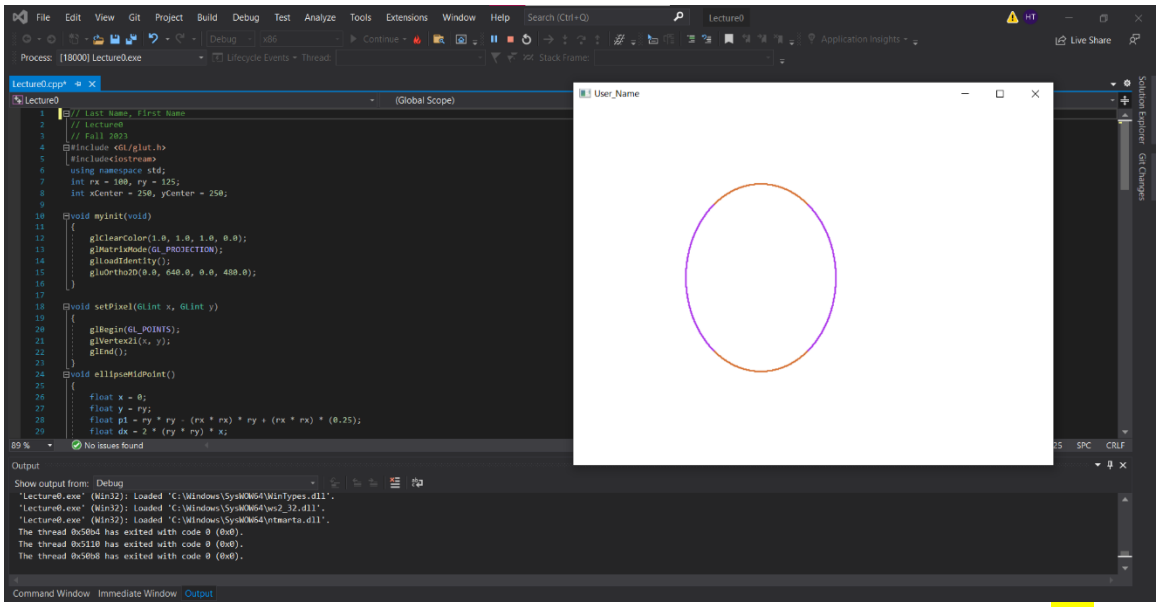
Class PARTICIPATION on Lecture 0.doc **ANSWER SHEET**

(Out of 100 points, 20 points each. Please record your own total score!)

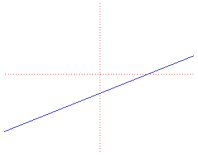
(Attach as score.doc!)

1. Download **Lecture0.zip** from CANVAS. Unzip, open .sln with Visual Studio 2019. Run and Insert Print Screen **HERE** (20 points)





2. Write the **explicit**, **implicit**, and **parametric** representations for a **Line.** (20 points)



ANSWER:

Explicit: y = mx+b

Implicit: Ax + By +C = 0

Parametric: x = x_0 + at, y = y_0 + bt

3. Write the **explicit**, **implicit**, and **parametric** representations for a **Curve.** (20 points)

ANSWER:

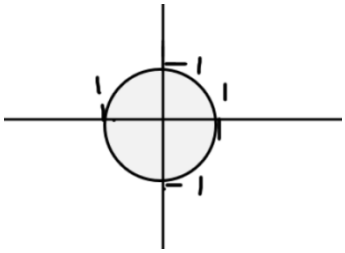
Explicit: y = f(x)

Implicit: F(x,y) = 0

Parametric: x = x(t), y = y(t)

4. Plot **Curve** $x = cos(t)\ y = sin(t)\ 0 <= t <= 2\pi$ (20 points)

ANSWER:



5. What is its **implicit** form? (20 points)

ANSWER:
x^2 + y^2 = 1

Please rename document to score.doc (example 100.doc)
Warning: if your score is not honest you will get a zero.