

CISC 4391
Assignment 4 (20 Pts)

Due at 10:00 PM Central (MyCampus)

- I. Topics: Deciding What Happens:
1. Complete the following programming problem (p117)
 - **4.3**
 - Complete chapter review exercises **1 – 7** (p115)

II. Topics: **OpenGL:**

Complete the following exercises (feel free to test the correctness of your answers in a complete OpenGL program):

1. Give a command to set the color of an OpenGL display window to dark gray. What command would you use to set the color of the display window to white?
2. List the necessary statement (s) needed to set up an OpenGL display window whose lower-left corner is at pixel position (75, 200) and has a window width of 200 pixels and a height of 150 pixels.
3. List the OpenGL statement (s) needed to draw a line segment from the upper-right corner of a display window of width 150 and height 250 to the lower-left corner of the window.
4. Assume we have written a function called rectangle to allow us to draw a rectangle in the middle of a given display window. Write an OpenGL statement (s) needed to make sure that the rectangle is drawn correctly each time the display window needs to be repainted.