**CS 131**

**Lab 5**

**Feb 12, 2015**

1. **Write a Java Program that will allow the user to input values that will represent the beginning point and the starting point for a Line. Allow the user to input to draw 3 separate lines.**
2. **Write a Java Program that will allow a user to input 1 if they want to draw a line, 2 if they want to draw and rectangle. Allow for the input of the proper coordinates for each possible choice.**
3. **Write a Java Program that will draw 12 concentric circles in the center of a JPanel. The innermost circle should have a radius of 10 pixels, each successive circle should have a radius 10 pixels larger than the previous. Begin, by finding the center of the JPanel (hint, use Microsoft paint to find the coordinates). To get the upper left corner of the circle, move up one radius (10 px) and to the left (10 px) one radius from the center. The width and height of the bounded rectangle are both the same as the circles diameter (twice the radius).**