# Lab 2 – Tests

*The following points were checked. A value from 0 to 4 was assigned based on the number of these points passed.*

## General

1) Two windows appear

2) Custom Jcomponent used with overridden paintComponent() method

## Random Colors

3) Window is 500x500 pixels initially

4) Circles are drawn with size of 10 – 30 pixels

5) Middle 50% is blank

6) 5000 circles are drawn

7) getWidth() and getHeight() used instead of direct values

8) correct colors

9) All tests work after a resize of the window

10) Every circle completely within window

## Sine Function

11) Window is 500 x 250 pixels initially

12) correct colors

13) function is scaled correctly

14) function scales correctly after a window resize

15) axis are drawn and labeled correctly

16) the curve appears smooth