Assignment:
You will write a pseudo screen saver that meets the following specifications:

1. ____ The program will run in 2D.
2. ____ Using arrays to store the necessary data, move figures using a bouncing algorithm.
3. ____ The figures must have a reasonable random range of sizes and delta values.
4. ____ The initial positions of the figures must be reasonable and away from the edges of the window – otherwise they can get “stuck” on the edges.
5. ____ The figures must have random colors.
6. ____ If the user presses the space bar, the arrays must be reinitialized.
7. ____ If the user presses any other key, the program must terminate – this will be demonstrated in class – be there!
8. ____ For Open Processing, dimension the window to 600 X 400.
9. ____ For Handin, dimension the window to displayWidth X displayHeight-50.
10. ____ The figure is up to you but it must be more than a simple ellipse or rectangle.
11. ____ The number of figures must be controlled by a constant (final) value.
12. ____ An “unpublished” bonus of immense value will be announced in class…

Example: (These are just circles – your figure must be more complex.)