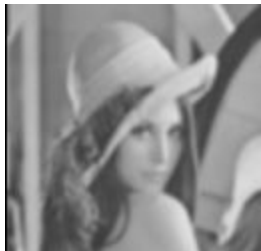# Jonathon Hewitt

PA1_pb3 Report

Gaussian Pyramid:
A gaussian pyramid is produced by smoothing an image by some sigma, and then downsampling that image by a factor of 2 and using that as the input for the next step in the pyramid. Examples of running a gaussian pyramid with 3 layers and sigma = 1 is shown below on the lenna image.

Step 1:

Step 2:

Step 3: