2. Starting with the supplied **hw04b.ipynb**, generate a function on the domain x = [0..1] such that f(x) = 2x for x < 0.6 and f(x) = 0 elsewhere. Perform multiresolution analysis with Haar wavelets to approximate the function. Carry your analysis out to at least the a = 3 level. At each level, print out the wavelet coefficients and plot the wavelet approximation along with the original f(x).

Submit your assignment by 11:59 PM on Sunday, March 27:

submit p5730 hw04 hw04a.py hw04b.ipynb