

1 Fourier Transforms

Boas §7.12 #4, 9, 13

You may do #10 and #19 for extra credit.

2 Laplace Transforms

Boas §8.8 #2, 8

3 Laplace DE

Boas section 8.9 numbers 2 and 9

4 Deltas

Boas section 8.11 number 20 (only need to verify 11.19 parts d and e) and number 21.

5 Convolution – This will be due next week, but you can do it now if you want.

Pick two functions of your own choice, calculate the convolution, graph both functions and the convolution, explain whether it makes sense graphically.