Lab exercise 6 Fourier Series Synthesis Instructor Validation Sheet

Name: _____   Lab Section: _____ .

Part 1:

1.   Matlab function fanal implemented?

2.   Which parts of Q 2 done -

a)   b)   c)   d)

Show TA your work for analytically computing the FS of the square wave used in Part 1 of the lab:

_____

3. Matlab function fsynth implemented?

Part 2: Exercise 4

a) Period of signal 1 and signal 2 is _____ & _____ respectively.

b) The values of a_k s for the trumpet are _____
respectively.

c) Show the graphs of the Fourier Coefficients to TA and verify: _____

d & e) Show the plot comparing the approximation and the original to the TA

_____