

Math 4355

Homework on Fourier Series # II

All problems except the last are from Chapter 3 of Olver.

1. 3.2.14 (a,g) (See Olver Eq. (3.46) for the definition of the step function, σ .)
2. 3.2.16 (a,g)
3. 3.2.18
4. 3.2.20
5. 3.2.25
6. 3.2.27
7. 3.2.30
8. Fourier Series II Lecture, page 5, Matlab Exercise A