

ME 565
Homework # 1
due Wednesday January 16
(due Friday January 18 for EDGE students)

All the homework problems this week have a computing component. The Mathematica notebook “Intro_to_Fourier_series” provides a template that should enable you to compute coefficients and partial sums, and to plot them.

Section 11.2: #3, #6

Section 11.3: #2, #24, #22

Section 11.4 #11 (compare your results with #24 of section 11.3)

Section 11.6 #10 (choose one continuous function and one discontinuous function)