Math 338 – Suggested Problems and Goals

Week of 9/10 - 9/17

Be able to calculate Fourier sine and cosine series. Problems 1 – 4, pages 12 and 13.

Understand what it means for a given set of functions to be orthogonal with respect to an inner product. Problems 8, 9 page 13.

Be able to calculate and work with general Fourier series. Problems 1, 2 pages 18 and 19. Problems 1, 2, and 8 pages 22 – 24.