

MA/PHY507 Spring 2019
Problem Set 9
DUE: Wednesday, 18 April 2018

1. Arfken, section 12.1, generating functions and Rodrigues formula, page 558, problem 12.1.1.
2. Arfken, section 14.7, spherical Bessel functions, pages 710–712, problems 14.7.5, part (a) for $j_n(x)$ only, and 14.7.6.
3. Arfken, section 15.1, Legendre polynomials, pages 722–723, problems 15.1.6, 15.1.8.