MA/PHY507 Spring 2016
Problem Set 9
DUE: Wednesday, 20 April 2016

1. Arfken, section 12.1, generating functions and Rodrigues formula, page 558, problems 12.1.1, 12.1.2 (a).

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.