

Math 311, Homework 9

due April 5

- Section 3.7B (p. 167), problems 7, 8, 11, 12, 17.
- Section 3.7C (p. 170), problems 1-3, 5. Note that the answers in the back of the book to problems 3 and 5 are wrong.

Extra problem. Expand $p(x) = 3x^3 - 2x + 1$ in Legendre polynomials up to degree 3.