

**Math 5610/6860**  
**Homework #6, due Wed Nov 23**

1. B&F 8.1.6 a,b,c. **Note:** Please use the sample code provided in the class website.
2. B&F 8.2.7 a. Show your work. (orthogonal polynomials on  $[0,1]$ )
3. B&F 8.3.7. Show your work. (see example in p526)
4. B&F 8.3.8 (an identity with Chebyshev polynomials)