

MATH 562
Homework 4
Due Thursday April 4

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“The lyfe so short, and the craft so hard to lerne.”

Chaucer

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From G&F, page 52: Problems 17 and 18.

From B&F, page 95: Problem 5.

From G&F page 190: Problems 1 and 2.

From G&F page 206: Problem 2 - use the Ritz method and find the approximation to the minimizer that results from using the first 4 basis functions. Then compare with the exact solution. (You should feel free to use a computer to help with this problem.)