

MATH 562
Homework 4
Due Thursday March 24

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Übung macht den Meister.

German Proverb

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From Gelfand and Fomin, pages 31-33:

Problems 3, 14, 15(c), 15(d), 18.

Problem 6: Find the curve of shortest length joining the points $(0,0)$ with the point $(1,1)$ and subject to the constraint that the area under the curve must equal 1.

Also, please write a short paragraph describing the topic you have chosen for your final project and paper in this course.