

MATH 421, HOMEWORK 1

Due: Friday, February 6 in class.

Homework policy:

- (1) Late homework is not accepted.
- (2) It is fine to discuss the problems with others, but writeups must be individual. If you have received help for solving a problem, then cite your source(s).
- (3) Consider a homework problem as an essay. Explain what you do. Write neatly. It is your responsibility that whoever reads your work will understand and enjoy it!
- (4) Please STAPLE your work!!!

Instructions: Turn in the starred problems, and only the starred problems. All problems are from Zill and Wright. You are encouraged to use the Table of Laplace Transforms in Appendix III. This table will be available at the exams, so you should get familiar with it.

Assignment:

4.1: 1, 3, 5, 8*, 13, 25, 26*, 29, 31, 35, 37, 39, 41, 42

4.2: 4*, 7, 15, 17, 18, 26*, 31, 34*, 35, 38*

4.3: 3, 7, 8*, 11, 15, 20*, 26*, 40, 41, 45, 48*, 49–54, 56, 63, 68*, 69