

DEPARTMENT OF MATHEMATICS, UNIVERSITY OF UTAH  
**PDEs for Engineering Students**  
**MATH 3150 – Section 004 – Spring 2017**  
**Homework 4**  
**Separation of variables**  
**Due February 8, 2017**

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Text: *Linear Algebra and Differential Equations with Introductory Partial Differential Equations and Fourier Series*, custom edition for the University of Utah,

Section 13.3: # 7, 8

Section 13.4: # 1 (a, b), 3, 4

NOTE: Chapters 12-16 in the above textbook correspond to Chapters 1-4 and 10, respectively, in the Haberman textbook.