

DEPARTMENT OF MATHEMATICS, UNIVERSITY OF UTAH

PDEs for Engineering Students

MATH 3150 – Section 004 – Spring 2017

Homework 9

The Fourier Transform and PDEs

Due April, 19 2017

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

Section 16.4: # 3, 4, 6, 7(a,b,c)

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