

DEPARTMENT OF MATHEMATICS, UNIVERSITY OF UTAH  
**PDEs for Engineering Students**  
**MATH 3150 – Section 004 – Spring 2019**  
**Homework 10**  
**The Fourier Transform and PDEs**  
**Due April 17, 2019**

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Text: *Applied Partial Differential Equations*, Richard Haberman, 5th edition,  
Section 10.4: # 3, 4, 6, 7(a,b,c)