

CAAM 499 HW 6. DUE BY 11AM TUESDAY 10/30

Textbook exercises in chapter 5:

Exercise 3 (Hint: Just take the partial fourier transform of the equation and check that the solution the book suggests satisfies it. Your final answer should not involve any fourier transforms)

Exercise 4

Exercise 5

Exercise 8 Just do the first part that g is real-valued. (Hint: Use the property of convolution with inverse fourier transform. You know the fourier transform of $sgn(\xi)$ from class)

Exercise 10