MATH 480 A: FOURIER ANALYSIS AND ITS APPLICATIONS

ASSIGNMENT 5

Due Monday May 18:

- **R** problems for class discussion: §3.5 page 93, # 5. §4.2 page 108 # 3
- Read §3.5, §4.1, §4.2 and §4.3.

Due Wednesday May 20:

- Read §4.2 and §4.3 carefully. Be prepared for class discussion.
- **R** problems for class discussion: §4.2 page 108 # 4. §4.3 page 114 #5

Due Wednesday May 27:

- Read §4.4.
- **TI** problems: §4.2 page 108 #1, # 7 (In (a), give both mathematical and physical reasons. In (b): Technique 2 is overkill; try $w(t)$ because given conditions are compatible with having u independent of x.), §4.2 page 108 # 8, §4.3 page 114 #6.(To be submitted on gradescope by 8pm).
- **E** problems: §4.2 page 108 #2. §4.3 page 114 #6.