

# Homework 6

Due October 12

All problems are from the textbook *Differential Equations with Boundary Value Problems, Second Edition* by Polking, Boggess and Arnold. Please abide by the following rules:

- Write your name and ID number at the top of the first page.
- Staple your pages.
- You can collaborate on the homework, but the final version must be written in your own words. Copying the solutions of others is **strictly forbidden**.

**Section 4.7:** 2, 12.

**Section 8.1:** 10, 12.

**Section 8.3:** 8, 10.

**Section 8.4:** 18, 26.