

# Homework 5

Due October 5

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 4.3:** 4, 12, 20.

**Section 4.4:** 8, 14, 24.

**Section 4.5:** 2, 6, 38.

**Section 4.6:** 6.