

# Homework 1

Due September 7

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 2.1:** 10, 14, 18.

**Section 2.2:** 4, 8, 14, 18, 36.

**Section 2.4:** 4, 6, 14, 32, 40.