

Homework 3

Due Feb 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.
- Box or circle your answers for each problem.
- 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 2.9: 10, 20, 22.

Section 2.7: 28, 32.

Section 2.8: 16.

Section 4.1: 18, 22.