

0. Give a brief description of your academic background and research interests. If you work in a lab or on a specific project (such as a thesis), please describe that project and your supervisor's name, if applicable. One paragraph is fine.

multiple space dimensions

1. page 27, problem 1.5.1
2. page 27, problem 1.5.3
3. page 28, problem 1.5.8

linearity, orthogonality

4. page 34, problem 2.2.2 a
5. page 34, problem 2.2.4
6. page 52, problem 2.3.5
7. page 52, problem 2.3.6

heat eqn., separation of variables

8. page 52, problem 2.3.4 a
9. page 52, problem 2.3.7
10. page 65, problem 2.4.1 b, d