

## All Exams Review Problems

All problems are from the textbook: Differential Equations with Boundary-Value Problems by Zill, Cullen, and Wright, 8th edition. If you have a different version remember you can always check with the official version in the Prof.'s office.

There are lots of interesting problems in the book! If the problems listed below are not enough for you then explore additional problems in the book. However, if you're looking for direction and focus then you can narrow your studying to the following list of problems for the purposes of the exams.

Note: problems below may include piecewise functions; good for practice but they won't be on exams.

- 1.1: # 1-38
- 1.2: # 1-24
- 1.3: # 1-14, 25-27, 30-32
- Ch 1 Review: all problems
- 2.1: # 1-14, 19-30, 38-42
- 2.2: # 1-43
- 2.3: # 1-41, 44-51
- Ch 2 Review for early semester topics: # 1-17
- 3.1: # 1-28

Exam 1 is usually around here.

Check Blackboard to find out exactly which sections are on your exam.

- 2.4: # 1-30, 42-44
- 2.5: # 1-32
- Ch 2 Review: # 1-30
- 3.2: # 1-3, 5-14, 21-22
- 3.3: # 1-3, 5-8
- Ch 3 Review: # 1-4, 6-7, 11-12, 15

Exam 2/Midterm is usually around here.

Check Blackboard to find out exactly which sections are on your exam.

**The midterm is cumulative.**

- 4.1: # 1-36, 38, 40-42
- 4.3: # 1-40, 43-63
- 4.4: # 1-40
- 4.6: # 1-30
- 4.7: # 1-30
- Ch 4 Review: # 1-30
- 5.1: # 1-8, 9a, 11-13, 17-24, 25a, 26a, 27, 29-33, 37-38
- 5.2: # 1-3, 4ab, 5ab, 9-20
- Ch 5 Review: # 1-16
- 6.1: all problems

Exam 3 is usually around here.  
Check Blackboard to find out exactly which sections are on your exam.

- 6.2: #1-22
- 7.1: # 1-46
- 7.2: # 1-42
- 7.3: # 1-33, 37-72
- Ch 7 Review: # 1-37
- 8.1: all problems
- 8.2: # 1-14, 19-31, 33- 46
- Ch 8 Review: # 1-10

**The final exam is cumulative.**