

FINAL EXAM - BRIEF STUDY GUIDE

There will be 8-10 problems chosen from the sections below.

Chapter 6.

- 6.1-6.2 Volume of solids: cross sections, washers, cylindrical shells
- 6.3 Length of curves.

Chapter 7.

- 7.1 Integration by parts
- 7.2-7.3 Trigonometric integrals, Trigonometric substitution
- 7.7 Improper integrals: only infinite limits of integration, convergence, comparison tests

Chapter 8.

- 8.4 Comparison tests
- 8.5 Ratio/Root tests
- 8.6 Alternating series test

Chapter 10.

- 10.2 Vectors
- 10.3 Dot product