

The following list of problems is taken from Calculus (several variables), fifth edition, by Robert Adams. The solutions to all the problems are in the reserve reading room of the library. They should aid you in preparing for the exams.

11.1: 14, 17, 23, 27.

11.2: 1, 3, 7.

11.3: 5, 17, 22.

11.4: 3.

11.5: 1, 9, 14, 24.

11.6: 6, 17, 20.

11.7: 9.

Chapter Review: 7, 11. Challenging problems: 3, 5.

12.1: 10, 17, 18, 34.

12.3: 4, 9, 17, 20, 25, 34.

12.4: 5, 8, 14, 15.

12.5: 4, 13, 16, 23.

12.6: 4, 7.

12.7: 2, 7, 28.

12.9: 3, 10.

13.1: 7, 21, 23.

13.2: 3, 7, 11, 15.

13.3: 3, 8, 15, 19, 27.

14.1: 14, 21.

14.2: 11, 19.

14.4: 6, 15, 23.

14.5: 5, 15.

14.6: 1, 2, 23, 33.

14.7: 1, 13, 19, 30.

15.1: 3.

15.2: 2, 8.

15.3: 1, 3, 7.

15.4: 7, 8, 11.

15.5: 3, 10.

15.6: 1, 8, 13.

- 16.1: 1, 3.
- 16.2: 3, 8, 17.
- 16.3: 1, 5.
- 16.4: 3, 7, 15.
- 16.5: 1, 2, 3, 5.
- 16.6: 7, 11.