

# **MATH 221 L08/09: Suggested Problems**

## **Exercises 1.1, page 7**

1a, 2c, 2d, 6, 7c, 8a, 10a, 12, 14, 17, 18

## **Exercises 1.2, page 15**

1, 2b, 3c, 4c, 4e, 5e, 5g, 7a, 7c, 8c, 9c, 9f, 11a, 11e, 12, 13, 14b, 15, 18, 19, 21, 22

## **Exercises 1.3, page 19**

1, 2, 4, 6, 7, 9

## **Exercises 2.1, page 34**

1a, 2a, 2e, 2h, 3a, 3e, 3i, 4a, 5a, 7a, 9a, 10, 11a, 12, 14c, 15c, 15d, 17, 18, 19, 20

## **Exercises 2.2, page 47**

1b, 1c, 1g, 1i, 3a, 4a, 5c, 6a, 8a, 9, 10a, 11, 12, 13, 14a, 16a, 16b, 19a, 21, 24, 25, 26, 28a, 29, 33

The problems listed above should all be attempted and clarified where necessary in tutorials, in class or in my office hours. Students are encouraged to attempt many more problems.

Excercises covering the rest of the course will be posted by Friday, September 22nd 2006.

University of Calgary  
Faculty of Science  
Department of Mathematics and Statistics  
Suggested problems for Math 221, L08, L09.  
(Continued)

Fall 2006

Ex: 2.2:

36, 37, 38, 39, 40

Ex:2.3:

1, 2a, 2g, 2k, 3c, 3e, 4, 5a, 5d, 5g, 6, 7, 8a, 9, 10, 13, 15a, 17, 18, 19a, 19c, 21, 22, 23c, 23d(i),  
23d(iii) 24a, 25, 27, 30, 35, 41.

Ex:2.4:

1a, 2a, 2e, 3a, 6a, 6c, 7a, 8a, 8c, 9, 11, 12a, 12c, 17, 22.

Ex 2.5:

1, 2, 3, 4, 5, 6, 7, 8, 9a, 15, 16, 17a, 17c, 18, 19

Ex 2.8:

1a, 2a, 2c, 2e, 4, 6, 8, 12.

Supplementary Exercises for Chapter 2:

Attempt all of these.