

Math 6 Final Review

Sections Covered on Exam

Chapter 5: 5.1 – 5.7

Chapter 12: 12.1 – 12.5

Chapter 2: 2.3

Chapter 13: 13.1-13.4, 13.5(through example 5), 13.6 (through example 4)

Chapter 9: 9.1, 9.2, Class Notes on determining optimal mixed strategies.

Voting Handout and Bob Norman's Notes

Sources for Practice Problems

Chapter 5:

5.1: 1 – 51 odd

5.2: 1 – 49, 55 – 59 odd

5.3: 1 – 53 odd

5.4: 1 – 59 odd

5.5: 1 – 73 odd

5.6: 1 – 43 odd

5.7: 1 – 47 odd

1 – 16 in Fundamental Concepts

1 – 63 in Supplementary Problems

1-14 of Chapter Test

Chapter 12:

12.1: 1 – 19 odd

12.2: 1 – 29 odd

12.3: 1 – 41 odd

12.4: 1 – 17 odd

12.5: 1 – 19 odd

1 – 4, 6 – 10, 13, 14 in Fundamental Concepts

1 – 9, 12, 13, 16 – 19 in Supplementary Problems

1 – 4, 6 – 10, 12 in Chapter Test

Section 2.3: 7 – 29 odd

Chapter 13:

13.1: all odds

13.2: all odds

13.3: all odds

13.4: all odds

13.5: 1a, 1b, 3, 5a, 5b, 7, 9, 11a, 11b, 11c, 13

13.6: 1, 9, 11, 13

1 – 20 in Fundamental Concepts

1 – 14, 18, 19 in Supplementary Problems

1 – 7 Chapter Test

Chapter 9:

- 9.1: all odds
- 9.2: all odds
- 9.3: 1, 3, 5, 11
- 1 – 8 in Fundamental Concepts
- 1 – 10, 13 in Supplementary Problems
- 1 – 7 Chapter Test

Voting Handout – all exercises not assigned for homework.

Note:

- (1) Some of the above problems are longer or more difficult than what you will be expected to do on the exam.*
- (2) The solutions to all of the problems in the textbook listed above can be found in the back of the text.*

You should know the following logical equivalences and logical implications:

Section 12.4, Table 1 (page 585):

1, 2(a, b, c), 3(a, b), 4(a, b), 5(a, b), 6(a, b, c, d), 7(a, b), 8, 9, 10(a), 11

Section 12.4, Table 2 (page 588):

1, 2, 3, 5, 6

Important Graph Theory Results:

Graph Properties in Section 13.1

All theorems pertaining to Euler paths and cycles in graphs and digraphs (13.2 & 13.4)

Fleury Algorithm for finding an Euler cycle (13.2)

Algorithm for finding a minimal spanning tree (13.3).