

Study Guide for Quiz 2, Math 125

(Quiz 2 will be given on Wednesday, April 2, and covers material from Chapters 13.1, 13.4, 14.2, 14.4, and 15.2.)

Math 125 Kovitz Spring 2025

- **What Are the Chances?**

Chapter 13.1, pages 221 to 225; boxes on page 222, 223 (both), and 225; figure 3 on page 225; page 226, problems 2 and 3.

- **Independence.**

Chapter 13.4, pages 230 to 232: examples 7 to 10; boxes on pages 230, 231, and 232; page 232, problem 3; page 235, problems 6, 8, and 9; summary on page 236, points 2 through 9.

- **More About Chance: The Addition Rule.**

Chapters 14.2 and 14.3, pages 241 to 246: examples 3 through 6; both boxes on page 241 and the box on page 242; technical notes on pages 245 and 246; page 243, problems 3 through 6; page 247, problem 4; pages 252 and 253, problems 3, 5, 6, and 7; page 262, problems 9(a) and 9(c); summary on page 254, points 2 and 3.

- **The Paradox of the Chevalier de Méré.**

Chapter 14.4, box on page 250; page 250, problems 1(a)–1(d), 3, and 4 (a); page 253, problem 7; page 431, problem 13; page 569, problem 15; summary on page 254, point 3.

Key problems are page 250: problems 1(a) to 1 (d) and problem 3.

For a neat summary of probability rules and some brand-new formulas, look at the sheets titled Chaps 13 to 15: Formula and Probability, on the web site.

- **The Binomial Formula.**

Chapter 15.2, pages 259 to 261: example 1; box on page 259; page 258: problem 4 (b); page 261, problems 1 and 2; page 268, problem 20; summary on page 268, point 2.

Key problems are example 1 on page 259 and problem 1 on page 261.

From Practice for Quiz 2:	problems 1, 2, 3, 4ab.
From Homework 7:	problem 3.
From Homework 8:	problems 2 (f), 2 (h), 3 (e), 7, 9 (a).
From Homework 9:	problems 1 (b), 1 (d), 1 (e), 2.
From WeBWorK Homework 5:	problems 2, 3a, 7gh.
From WeBWorK Homework 6:	problems 3b, 4a, 7, 8ab, 9.