

MATH 119 HW #2: 4-6, CHAPTER 5

FALL 2008 – 3RD EDITION OF TRIOLA'S ESSENTIALS

Write your name and class time and clearly separate sections! See syllabus.

Show work where appropriate, and use “good form and procedure,” as in class!

This is due when you take Quiz 2.

Graded out of 10 points.

“*” denotes “See Hint/Comment below.”

Answers to the “evens” may be provided later in class (not online).

SECTION 4-6

Section 4-6: #1, 4, 5*, 7*, 9*, 13, 17, 18, 19, 20, 21, 24*, 25, 27.

Comments on the problems:

Note on #5, 7, 9: Don't just write the answer. Show how you got the answer by using a formula (with the appropriate numbers) or by using a method we discussed in class.

Note on #24: This is related to the famous Traveling Salesman Problem (TSP) in theoretical computer science.

Look at: #28, 29, 37, 40.

THERE'S MORE....

CHAPTER 5

Suggestion on rounding for Chapter 5:

Before you give your final answers, give exact numbers in your calculations, or round them off to at least five significant digits.

Section 5-2: #2, 4, 5, 7*, 11*, 13*, 17*, 19.

Comments on the problems:

#7, 11: The book rounds off the answers to the nearest tenth by the Round-Off Rule on p.199, since the values for x are integers.

#7, 13: We will see how the probabilities in the tables are computed in Section 5-3.

#13: Read the “Chapter Problem” on p.193 for some background.

#17: When doing calculations, exact fractions are preferable to rounded decimals when you are dealing with probabilities. You don't want round-off error to build up as you do a problem.

Look at: #18, 20, 28.

Section 5-3: 4, 13-23 odd, 25-28 all, 29*, 31, 32a, 33*, 35.

Comments on the problems:

#29: It helps a lot to use Table A-1 when you can!

#33: This would have been a fair Chapter 4 question, actually.

Look at: #37-40.

Section 5-4: #3, 4, 9-19 odd.

Note: The solutions manual's method for determining when an event is “unusual” is equivalent to (but looks different from) mine.