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

SPRING 2013 – 4TH 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: #3, 4, 5, 7, 9*, 11, 12, 13, 16, 17, 20, 21, 22, 23, 24, 25, 27, 29

Comments on the problems:

Note on #9: This is related to the famous Traveling Salesman Problem (TSP) in theoretical computer science.

Look at: #39.

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, 7*, 9, 11*, 17*, 25, 27*, 29

Comments on the problems:

#7, 11, 17: The book rounds off the answers to the nearest tenth by the Round-Off Rule on p.204, since the values for x are integers.

#27: 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: #28, 33

THERE'S MORE….

Section 5-3: #1, 13-31 odd*, 35 (part a only), 39, 43

Comments on the problems:

13-31 odd means: 13, 15, 17, 19, 21, 23, 25, 27, 29, and 31.
It helps a lot to use Table A-1 when you can!

Look at: #46-49 on related distributions.

Section 5-4: #2, 3, 9, 10, 11, 13, 16, 17, 19

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

Look at: #20