Starred Problems

- Week 2

  (a) Lecture star problems

    - How many ways can five boys and three girls be arranged for a photograph with the girls in the back row and the boys in the front row?
    - How many ways can three history books and six novels be arranged on a bookshelf so that the history books are to the left of the novels? If you group the history books and novels? If you only have to group the history books?
    - How many different words can you get by rearranging the letters in the word REARRANGE?

  (b) Homework star problems

    - 5.1.13
    - 5.2.39 and 5.2.44
    - 5.3.53
    - 5.4.59

  (c) Quiz problems

    - Quiz 1 #5
    - Quiz 2 #3

  (d) Worksheet problems

    - WS 1 #5
    - WS 2 #4

- Week 3

  (a) Lecture
  - Section 6.3 Example 5: A die is rolled 5 times. What is the probability of obtaining exactly three 4s?
  - Section 6.4 Example 6: Determine if the events E and F are independent.

  (b) Homework
  - 6.2.25-GI
  - 6.3.15
  - 6.3.19-GI
  - 6.4.13
  - 6.4.43

  (c) Exam 1 problems
  - #16

  (d) Quiz 3 problems
  - #6

  (e) Worksheet problems (see worksheets)

- Week 4

  (a) Lecture

    - 7/6 Example 6 on Chebychev's inequality

  (b) Homework

    - 6.3.17
    - 6.4.13
    - 6.4.32-GI
    - 6.5.31
    - 6.6.19-GI
    - 7.3.47-GI
    - 7.4.18-BE
    - 7.4.42-GI
    - 7.5.6-GI
    - 7.5.13

  (c) Exam 2 problems

    - 6.2.47
    - 6.3.17
    - 6.3.27
    - 6.4.46
    - 6.6.2-GI

  (d) Quiz 4 problems

    - 6.3.13
    - 6.6.2-GI

  (e) Worksheet problems (see worksheets)

- Week 5

  (a) Lecture

    - Find an example of matrices A, B, C such that $AC = BC$ but $A \neq B$.

  (b) Homework

    - 7.6.33-GI
    - 7.6.36-SS
    - 7.6.39-GI
    - 7.7.8-BE
    - 2.2.41-LS
    - 2.2.27
    - 2.4.13
    - 2.5.9
    - 2.5.19

  (c) Quiz 5 problems

  (d) Quiz 6 problems

  (e) Worksheet problems (see worksheets)