Review Problems

Chapter 2

9/10/42 Frequency Distribution / Histogram / Grouped $\bar{x}$, s

12/13/43 Frequency Distribution / Histogram / Grouped $\bar{x}$, s

22 Stem-and-Leaf Plot

30 Calculations: $\bar{x}$, s

35 Quartiles / Box-and-Whisker Plot

Chapter 3

31 Probability/Tree Diagram

41 Probability

66 Probability/Tree Diagram

73 Probability/Tree Diagram

Chapter 4

13 Binomial Distribution

15 Binomial Distribution

21 Hypergeometric Distribution

22 Hypergeometric Distribution

56 Poisson Process

57 Poisson Process

63 Poisson Process

Chapter 5

7 Probability Density

10 Probability Density

24 Normal Distribution

29 Normal Distribution

36 Normal Approximation of Binomial

38 Normal Approximation of Binomial

59 Exponential Distribution - Waiting Time

60 Exponential Distribution - Waiting Time

Chapter 6

15 Sampling Distribution of $\bar{x}$

17 Sampling Distribution of $\bar{x}$

21 Sampling Distribution of $\bar{x}$ - Small Sample

23 Sampling Distribution of s^2

Chapter 7

6 Maximum Error Estimate / Confidence Interval

8 Maximum Error Estimate

Chapter 7 (cont)

11 Maximum Error Estimate

15 Maximum Error Estimate

18 Confidence Interval

21 Confidence Interval

39 Hypothesis Test - Large Sample

41 Hypothesis Test - Large Sample

47 Hypothesis Test - Small Sample
($\bar{x}$ = 14, s = 3.207)

64 Hypothesis Test, Two Populations - Large Samples

69 Hypothesis Test, Two Populations - Small Samples
($\bar{x}_c$ = 57.89, s_c = 10.33
$\bar{x}_o$ = 51.83, s_o = 12.69)

71 Hypothesis Test, Matched Samples
($\bar{d}$ = -0.02, s_d = 0.0287)

Chapter 8

4 Confidence Interval

12 Hypothesis Test, Variance

15 Hypothesis Test, Two Populations

Chapter 9

6b Confidence Interval

7 Confidence Interval

19 Hypothesis Test

21 Hypothesis Test

30 Hypothesis Test, Two Populations

Chapter 11

1 Linear Regression / Point Estimate for Response Variable
$\sum x$ = 320 $\sum y$ = 635
$\sum x^2$ = 11490 $\sum y^2$ = 42395
$\sum xy$ = 21275

10/11 Linear Regression / Confidence Interval for Mean of Response Variable / Confidence Interval for Predicting the Response Variable
$\sum x$ = 533 $\sum y$ = 132
$\sum x^2$ = 24529 $\sum y^2$ = 1526
$\sum xy$ = 6093