### Review Problems

| Chapter 2 | 9/10/46 Frequency Distribution / Histogram / Grouped $\bar{x}$, $s$
| 12/13/47 Frequency Distribution / Histogram / Grouped $\bar{x}$, $s$
| 22 Stem-and-Leaf Plot
| 34 Calculations: $\bar{x}$, $s$
| 39 Quartiles / Box-and-Whisker Plot

| Chapter 3 | 31 Probability/Tree Diagram
| 41/48 Probability
| 65/66 Probability/Tree Diagram
| 71/73 Probability/Tree Diagram

| Chapter 4 | 13/15 Binomial Distribution
| 23/24 Hypergeometric Distribution
| 28/29 Binomial Approx to Hypergeom
| 58/59/65 Poisson Process

| Chapter 5 | 7/10 Probability Density
| 24/27/29 Normal Distribution
| 36/38 Normal Approximation of Binomial
| 59/60 Exponential Distribution - Waiting Time

| Chapter 6 | 15/17 Sampling Distribution of $\bar{x}$
| 21 Sampling Distribution of $\bar{x}$ - Small Sample
| 23 Sampling Distribution of $\sigma^2$

| Chapter 7 | 6 Maximum Error Estimate / Confidence Interval
| 8/11/15 Maximum Error Estimate
| 18 Confidence Interval
| 21 Confidence Interval
| 39/41 Hypothesis Test - Large Sample
| 47 Hypothesis Test - Small Sample ($\bar{x} = 14$, $s = 3.207$)
| 64 Hypothesis Test, Two Populations - Large Samples

| 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 | 3 Linear Regression / Point Estimate for Response Variable
| $\sum x = 320$ $\sum y = 635$
| $\sum x^2 = 11490$ $\sum y^2 = 42395$
| $\sum xy = 21275$

| 12/13 Linear Regression / Confidence Interval for Mean of Response Variable / Confidence Interval for Predicting the Response Variable
| $\sum x = 533$ $\sum y = 132$
| $\sum x^2 = 24529$ $\sum y^2 = 1526$
| $\sum xy = 6093$

| 14/15 Linear Regression / Confidence Interval for $\beta$
| $\sum x = 40$ $\sum y = 1024$
| $\sum x^2 = 244$ $\sum y^2 = 158900$
| $\sum xy = 6217$

| 26 Exponential Curve Fit
| 32 Polynomial Curve Fit