

The Practice of Statistics 6th edition Pacing Guide (110 days)

Chapter 1

Day	Topics	Learning Targets Students will be able to ...	Suggested Assignment (MC bold)
1	Chapter 1 Introduction	<ul style="list-style-type: none"> Identify the individuals and variables in a set of data. Classify variables as categorical or quantitative. 	1, 5, 7, 9, 10
2	1.1 Bar Graphs and Pie Charts, Graphs: Good and Bad, Analyzing Data on Two Categorical Variables	<ul style="list-style-type: none"> Make and interpret bar graphs for categorical data. Identify what makes some graphs of categorical data misleading. Calculate marginal and joint relative frequencies from a two-way table. 	13, 15, 17, 19, 21, 23
3	1.1 Relationships Between Two Categorical Variables	<ul style="list-style-type: none"> Calculate conditional relative frequencies from a two-way table. Use bar graphs to compare distributions of categorical data. Describe the nature of the association between two categorical variables. 	27, 29, 33, 35, 40-43
4	1.2 Dotplots, Stemplots, Histograms, Describing Shape	<ul style="list-style-type: none"> Make and interpret dotplots, stemplots, and histograms of quantitative data. Identify the shape of a distribution from a graph. 	45, 49, 51, 59, 63
5	1.2 Describing Distributions, Comparing Distributions, Using Histograms Wisely	<ul style="list-style-type: none"> Describe the overall pattern (shape, center, and variability) of a distribution and identify any major departures from the pattern (outliers). Compare distributions of quantitative data using dotplots, stemplots, and histograms. 	55, 65, 69, 77, 80-85
6	1.3 Measuring Center: Mean and Median, Comparing the Mean and Median, Measuring Variability: Range, Standard Deviation and <i>IQR</i>	<ul style="list-style-type: none"> Calculate measures of center (mean, median) for a distribution of quantitative data. Calculate and interpret measures of variability (range, standard deviation, <i>IQR</i>) for a distribution of quantitative data. Explain how outliers and skewness affect measures of center and variability. 	87, 89, 91, 95, 97, 101, 103, 105, 121
7	1.3 Identifying Outliers, Making and Interpreting Boxplots, Comparing Distributions with Boxplots	<ul style="list-style-type: none"> Identify outliers using the $1.5 \times IQR$ rule. Make and interpret boxplots of quantitative data. Use boxplots and numerical summaries to compare distributions of quantitative data. 	109, 111, 113, 115, 123-126
8	Chapter 1 Review/FRAPPY!		Chapter 1 Review Exercises
9	Chapter 1 Test		

Chapter 2

Day	Topics	Learning Targets Students will be able to...	Suggested Assignment (MC bold)
1	2.1 Measuring Location: Percentiles, Cumulative Relative Frequency Graphs, Measuring Location: z-Scores	<ul style="list-style-type: none"> Find and interpret the percentile of an individual value within a distribution of data. Estimate percentiles and individual values using a cumulative relative frequency graph. Find and interpret the standardized score (z-score) of an individual value within a distribution of data. 	1, 3, 7, 9, 11, 13, 15, 19
2	2.1 Transforming Data	<ul style="list-style-type: none"> Describe the effect of adding, subtracting, multiplying by, or dividing by a constant on the shape, center, and variability of a distribution of data. 	21, 25, 29, 31, 33-38
3	2.2 Density Curves, Describing Density Curves, Normal Distributions, The 68-95-99.7 Rule	<ul style="list-style-type: none"> Use a density curve to model distributions of quantitative data. Identify the relative locations of the mean and median of a distribution from a density curve. Use the 68-95-99.7 rule to estimate (i) the proportion of values in a specified interval, or (ii) the value that corresponds to a given percentile in a Normal distribution. 	41, 45, 47, 49, 51
4	2.2 Finding Areas in a Normal Distribution, Working Backward: Finding Values from Areas	<ul style="list-style-type: none"> Find the proportion of values in a specified interval in a Normal distribution using Table A or technology. Find the value that corresponds to a given percentile in a Normal distribution using Table A or technology. 	53, 55, 57, 59, 61, 63
5	2.2 Assessing Normality	<ul style="list-style-type: none"> Determine whether a distribution of data is approximately Normal from graphical and numerical evidence. 	73, 75, 77, 79, 81, 85-90
6	Chapter 2 Review/FRAPPY!		Chapter 2 Review Exercises
7	Chapter 2 Test		

Chapter 3

Day	Topics	Learning Targets Students will be able to ...	Suggested Assignment (MC bold)
1	3.1 Explanatory and Response Variables, Displaying Relationships: Scatterplots, Describing a Scatterplot	<ul style="list-style-type: none"> Distinguish between explanatory and response variables for quantitative data. Make a scatterplot to display the relationship between two quantitative variables. Describe the direction, form, and strength of a relationship displayed in a scatterplot and identify unusual features. 	1, 3, 5, 9, 11
2	3.1 Measuring Linear Association: Correlation, Cautions about Correlation, Calculating Correlation, Additional Facts about Correlation	<ul style="list-style-type: none"> Interpret the correlation. Understand the basic properties of correlation, including how the correlation is influenced by outliers. Distinguish correlation from causation. 	13, 15, 17, 19, 23, 29–34
3	3.2 Prediction, Residuals, Interpreting a Regression Line	<ul style="list-style-type: none"> Make predictions using regression lines, keeping in mind the dangers of extrapolation. Calculate and interpret a residual. Interpret the slope and y intercept of a least-squares regression line. 	37, 39, 41, 43, 45
4	3.2 The Least-Squares Regression Line, Determining if a Linear Model is Appropriate: Residual Plots	<ul style="list-style-type: none"> Determine the equation of a least-squares regression line using technology or computer output. Construct and interpret residual plots to assess whether a regression model is appropriate. 	47, 49, 51, 53
5	3.2 How Well the Line Fits the Data: The Role of s and r^2 in Regression, Interpreting Computer Regression Output	<ul style="list-style-type: none"> Interpret the standard deviation of the residuals and r^2 and use these values to assess how well the least-squares regression line models the relationship between two variables. Describe how the slope, y intercept, standard deviation of the residuals, and r^2 are influenced by outliers. 	55, 57, 59, 67
6	3.2 Regression to the Mean, Correlation and Regression Wisdom	<ul style="list-style-type: none"> Find the slope and y intercept of the least-squares regression line from the means and standard deviations of x and y and their correlation. 	63, 65, 71–78
7	Chapter 3 Review/FRAPPY!		Chapter 3 Review Exercises
8	Chapter 3 Test		

Chapter 4

Day	Topics	Learning Targets Students will be able to...	Suggested Assignment (MC bold)
1	4.1 The Idea of a Sample Survey, How to Sample Badly, How to Sample Well: Random Sampling	<ul style="list-style-type: none"> Identify the population and sample in a statistical study. Identify voluntary response sampling and convenience sampling and explain how these sampling methods can lead to bias. Describe how to select a simple random sample with technology or a table of random digits. 	1, 3, 5, 7, 11, 13, 15
2	4.1 Other Random Sampling Methods	<ul style="list-style-type: none"> Describe how to select a sample using stratified random sampling and cluster sampling, distinguish stratified random sampling from cluster sampling, and give an advantage of each method. 	17, 19, 21, 22, 23
3	4.1 Sample Surveys: What Else Can Go Wrong?	<ul style="list-style-type: none"> Explain how undercoverage, nonresponse, question wording, and other aspects of a sample survey can lead to bias. 	25, 27, 29, 31, 33, 35-40
4	4.2 Observational Studies Versus Experiments, The Language of Experiments	<ul style="list-style-type: none"> Explain the concept of confounding and how it limits the ability to make cause-and-effect conclusions. Distinguish between an observational study and an experiment, and identify the explanatory and response variables in each type of study. Identify the experimental units and treatments in an experiment. 	43, 45, 47, 49, 51, 53
5	4.2 Designing Experiments: Blinding and the Placebo Effect, Designing Experiments: Random Assignment	<ul style="list-style-type: none"> Describe the placebo effect and the purpose of blinding in an experiment. Describe how to randomly assign treatments in an experiment using slips of paper, technology, or a table of random digits. 	57, 59, 61, 63
6	4.2 Designing Experiments: Comparison, Control, Replication, and Putting It All Together; Completely Randomized Designs	<ul style="list-style-type: none"> Explain the purpose of comparison, random assignment, control, and replication in an experiment. Describe a completely randomized design for an experiment. 	55, 65, 67, 69
7	4.2 Randomized Block Designs	<ul style="list-style-type: none"> Describe a randomized block design and a matched pairs design for an experiment and explain the purpose of blocking in an experiment. 	71, 75, 77, 79, 83-90
8	4.3 Inference for Sampling, Inference for Experiments	<ul style="list-style-type: none"> Explain the concept of sampling variability when making an inference about a population and how sample size affects sampling variability. Explain the meaning of statistically significant in the context of an experiment and use simulation to determine if the results of an experiment are statistically significant. 	93, 95, 97, 99

9	4.3 The Scope of Inference: Putting it All Together, The Challenges of Establishing Causation, Data Ethics (optional)	<ul style="list-style-type: none"> • Identify when it is appropriate to make an inference about a population and when it is appropriate to make an inference about cause and effect. • Evaluate if a statistical study has been carried out in an ethical manner. 	103, 105, 107, 117-118 (109, 111, 113, 115 optional)
10	Chapter 4 Review/FRAPPY!		Chapter 4 Review Exercises
11	Chapter 4 Test		Cumulative AP Practice Test 1

Chapter 5

Day	Topics	Learning Targets Students will be able to...	Suggested Assignment (MC bold)
1	5.1 The Idea of Probability	<ul style="list-style-type: none"> Interpret probability as a long-run relative frequency. 	1, 3, 5, 7
2	5.1 Simulation	<ul style="list-style-type: none"> Use simulation to model chance behavior. 	9, 11, 15, 21, 23–28
3	5.2 Probability Models, Basic Probability Rules	<ul style="list-style-type: none"> Give a probability model for a chance process with equally likely outcomes and use it to find the probability of an event. Use basic probability rules, including the complement rule and the addition rule for mutually exclusive events. 	31, 33, 35, 37, 39
4	5.2 Two-Way Tables, Probability, and the General Addition Rule, Venn Diagrams and Probability	<ul style="list-style-type: none"> Use a two-way table or Venn diagram to model a chance process and calculate probabilities involving two events. Apply the general addition rule to calculate probabilities. 	41, 47, 49, 51, 53, 55–58
5	5.3 What Is Conditional Probability?, Conditional Probability and Independence, The General Multiplication Rule	<ul style="list-style-type: none"> Calculate and interpret conditional probabilities. Determine whether two events are independent. Use the general multiplication rule to calculate probabilities. 	61, 63, 65, 67, 69, 71, 77, 79
6	5.3 Tree Diagrams and Conditional Probability, The Multiplication Rule for Independent Events	<ul style="list-style-type: none"> Use a tree diagram to model a chance process involving a sequence of outcomes and to find probabilities. When appropriate, use the multiplication rule for independent events to calculate probabilities. 	81, 83, 87, 89, 91, 93, 99, 103–106
7	Chapter 5 Review/FRAPPY!		Chapter 5 Review Exercises
8	Chapter 5 Test		

Chapter 6

Day	Topics	Learning Targets Students will be able to...	Suggested Assignment (MC bold)
1	6.1 Discrete Random Variables, Analyzing Discrete Random Variables: Describing Shape, Measuring Center: The Mean (Expected Value) of a Discrete Random Variable	<ul style="list-style-type: none"> Use the probability distribution of a discrete random variable to calculate the probability of an event. Make a histogram to display the probability distribution of a discrete random variable and describe its shape. Calculate and interpret the mean (expected value) of a discrete random variable. 	1, 3, 5, 7, 9, 11
2	6.1 Measuring Variability: The Standard Deviation (and Variance) of a Discrete Random Variable, Continuous Random Variables	<ul style="list-style-type: none"> Calculate and interpret the standard deviation of a discrete random variable. Use the probability distribution of a continuous random variable (uniform or Normal) to calculate the probability of an event. 	13, 19, 21, 23, 27, 29, 31-34
3	6.2 Transforming a Random Variable	<ul style="list-style-type: none"> Describe the effect of adding or subtracting a constant or multiplying or dividing by a constant on the probability distribution of a random variable. 	37, 39, 41, 43, 47
4	6.2 Combining Random Variables, Standard Deviation of the Sum or Difference of Two Random Variables, Combining Normal Random Variables	<ul style="list-style-type: none"> Calculate the mean and standard deviation of the sum or difference of random variables. Find probabilities involving the sum or difference of independent Normal random variables. 	49, 51, 55, 57, 59, 65, 67, 73-74
5	6.3 Binomial Settings and Binomial Random Variables, Calculating Binomial Probabilities	<ul style="list-style-type: none"> Determine whether the conditions for a binomial setting are met. Calculate and interpret probabilities involving binomial distributions. 	77, 79, 81, 83, 85, 89
6	6.3 Describing a Binomial Distribution: Shape, Center, and Variability; Binomial Distributions in Statistical Sampling, The Normal Approximation to Binomial Distributions (optional)	<ul style="list-style-type: none"> Calculate the mean and standard deviation of a binomial random variable. Interpret these values in context. When appropriate, use the Normal approximation to the binomial distribution to calculate probabilities. 	91, 93, 95, 99, 101, 105 (103, 106, 117 optional)
7	6.3 Geometric Random Variables	<ul style="list-style-type: none"> Find probabilities involving geometric random variables. 	107, 109, 111 113-116
8	Chapter 6 Review/FRAPPY!		Chapter 6 Review Exercises
9	Chapter 6 Test		

MIDTERM EXAM REVIEW: 3 DAYS

MIDTERM EXAM: 1 DAY

Chapter 7

Day	Topics	Learning Targets Students will be able to...	Suggested Assignment (MC bold)
1	7.1 Parameters and Statistics, The Idea of a Sampling Distribution	<ul style="list-style-type: none"> Distinguish between a parameter and a statistic. Create a sampling distribution using all possible samples from a small population. 	1, 3, 5, 7, 9
2	7.1 The Idea of a Sampling Distribution, Describing Sampling Distributions	<ul style="list-style-type: none"> Use the sampling distribution of a statistic to evaluate a claim about a parameter. Distinguish among the distribution of a population, the distribution of a sample, and the sampling distribution of a statistic. Determine if a statistic is an unbiased estimator of a population parameter. Describe the relationship between sample size and the variability of a statistic. 	11, 13, 15, 19, 21, 25, 26-30
3	7.2 The Sampling Distribution of \hat{p} , Using the Normal Approximation for \hat{p} .	<ul style="list-style-type: none"> Calculate the mean and standard deviation of the sampling distribution of a sample proportion \hat{p} and interpret the standard deviation. Determine if the sampling distribution of \hat{p} is approximately Normal. If appropriate, use a Normal distribution to calculate probabilities involving \hat{p}. 	35, 37, 41, 43, 47-50
4	7.3 The Sampling Distribution of \bar{x} , Sampling from a Normal Population	<ul style="list-style-type: none"> Calculate the mean and standard deviation of the sampling distribution of a sample mean \bar{x} and interpret the standard deviation. Explain how the shape of the sampling distribution of \bar{x} is affected by the shape of the population distribution and the sample size. If appropriate, use a Normal distribution to calculate probabilities involving \bar{x}. 	53, 55, 57, 61
5	7.3 The Central Limit Theorem	<ul style="list-style-type: none"> Explain how the shape of the sampling distribution of \bar{x} is affected by the shape of the population distribution and the sample size. If appropriate, use a Normal distribution to calculate probabilities involving \bar{x}. 	63, 65, 67, 69, 71, 73-76
6	Chapter 7 Review/FRAPPY!		Chapter 7 Review Exercises
7	Chapter 7 Test		Cumulative AP [®] Practice Exam 2

Chapter 8

Day	Topics	Learning Targets Students will be able to...	Suggested Assignment (MC bold)
1	Chapter 8 Introduction, 8.1 The Idea of a Confidence Interval, Interpreting Confidence Intervals	<ul style="list-style-type: none"> Identify an appropriate point estimator and calculate the value of a point estimate. Interpret a confidence interval in context. Determine the point estimate and margin of error from a confidence interval. Use a confidence interval to make a decision about the value of a parameter. 	1, 3, 5, 7, 9
2	8.1 Interpreting Confidence Level, What Affects the Margin of Error?	<ul style="list-style-type: none"> Interpret a confidence level in context. Describe how the sample size and confidence level affect the margin of error. Explain how practical issues like nonresponse, undercoverage, and response bias can affect the interpretation of a confidence interval. 	11, 15, 17, 19, 21, 23-26
3	8.2 Constructing a Confidence Interval for p	<ul style="list-style-type: none"> State and check the Random, 10%, and Large Counts conditions for constructing a confidence interval for a population proportion. Determine the critical value for calculating a $C\%$ confidence interval for a population proportion using a table or technology. 	29, 31, 35, 37, 39
4	8.2 Putting It All Together: The Four-Step Process, Choosing the Sample Size	<ul style="list-style-type: none"> Construct and interpret a confidence interval for a population proportion. Determine the sample size required to obtain a $C\%$ confidence interval for a population proportion with a specified margin of error. 	41, 45, 49, 55-58
5	8.3 The Problem of unknown σ , Conditions for Estimating μ	<ul style="list-style-type: none"> Determine the critical value for calculating a $C\%$ confidence interval for a population mean using a table or technology. State and check the Random, 10%, and Normal/Large Sample conditions for constructing a confidence interval for a population mean. 	61, 63, 65, 67
6	8.3 Constructing a Confidence Interval for μ , Choosing the Sample Size	<ul style="list-style-type: none"> Construct and interpret a confidence interval for a population mean. Determine the sample size required to obtain a $C\%$ confidence interval for a population mean with a specified margin of error. 	69, 73, 77, 81-84
7	Chapter 8 Review/FRAPPY!		Chapter 8 Review Exercises
8	Chapter 8 Test		

Chapter 9

Day	Topics	Learning Targets Students will be able to...	Suggested Assignment (MC bold)
1	Chapter 9 Introduction; 9.1 Stating Hypotheses, Interpreting P -values, Making Conclusions	<ul style="list-style-type: none"> State appropriate hypotheses for a significance test about a population parameter. Interpret a P-value in context. Make an appropriate conclusion for a significance test. 	1, 3, 5, 7, 9, 13, 14, 15, 19
2	9.1 Type I and Type II Errors	<ul style="list-style-type: none"> Interpret a Type I and a Type II error in context. Give a consequence of each error in a given setting. 	21, 23, 25, 27, 29-32
3	9.2 Performing a Significance Test About p	<ul style="list-style-type: none"> State and check the Random, 10%, and Large Counts conditions for performing a significance test about a population proportion. Calculate the standardized test statistic and P-value for a test about a population proportion. 	35, 37, 39, 41
4	9.2 Putting It All Together: One-Sample z Test for p , Two-Side Tests	<ul style="list-style-type: none"> Perform a significance test about a population proportion. 	43, 45, 47, 51, 53, 55, 59-62
5	9.3 Carrying Out a Significance Test for μ , Putting It All Together: One-Sample t Test for μ	<ul style="list-style-type: none"> State and check the Random, 10%, and Normal/Large Sample conditions for performing a significance test about a population mean. Calculate the standardized test statistic and P-value for a test about a population mean. Perform a significance test about a population mean. 	65, 67, 69, 73, 77, 79
6	9.3 Two-Sided Tests and Confidence Intervals, The Power of a Test, Using Tests Wisely	<ul style="list-style-type: none"> Use a confidence interval to make a conclusion for a two-sided test about a population parameter. Interpret the power of a significance test and describe what factors affect the power of a test. 	81, 85, 87, 93, 95, 97, 102-108
7	Chapter 9 Review/FRAPPY!		Chapter 9 Review Exercises
8	Chapter 9 Test		

Chapter 10

Day	Topics	Learning Targets Students will be able to...	Suggested Assignment (MC bold)
1	“Who Likes Tattoos?” Activity, 10.1 The Sampling Distribution of a Difference between Two Proportions	<ul style="list-style-type: none"> Describe the shape, center, and variability of the sampling distribution of $\hat{p}_1 - \hat{p}_2$. 	1, 3
2	10.1 Confidence Intervals for $p_1 - p_2$	<ul style="list-style-type: none"> Determine whether the conditions are met for doing about a difference between two proportions. Construct and interpret a confidence interval for a difference between two proportions. 	5, 7, 9, 11, 13
3	10.1 Significance Tests for $p_1 - p_2$, Putting It All Together: Two-sample z Test for $p_1 - p_2$.	<ul style="list-style-type: none"> Calculate the standardized test statistic and P-value for a test about a difference between two proportions. Perform a significance test about a difference between two proportions. 	15, 19, 21, 29 31-33
4	10.2 The Sampling Distribution of a Difference between Two Means, Confidence Intervals for $\mu_1 - \mu_2$	<ul style="list-style-type: none"> Describe the shape, center, and variability of the sampling distribution of $\bar{x}_1 - \bar{x}_2$. Determine whether the conditions are met for doing inference about a difference between two means. Construct and interpret a confidence interval for a difference between two means. 	37, 39, 41, 45, 49
5	10.2 Significance Tests for $\mu_1 - \mu_2$, Putting It All Together: Two-sample t Test for $\mu_1 - \mu_2$.	<ul style="list-style-type: none"> Calculate the standardized test statistic and P-value for a test about a difference between two means. Perform a significance test for the difference between two means. 	51, 53, 55, 57, 67, 69-72
6	10.3 Analyzing Paired Data, Confidence Intervals for μ_{diff} . Significance tests for μ_{diff} . Paired Data or Two Samples?	<ul style="list-style-type: none"> Analyze the distribution of differences in a paired data set using graphs and summary statistics. Construct and interpret a confidence interval for a mean difference. Perform a significance test about a mean difference. 	75, 79, 85
7	10.3 “Get Your Heart Beating! Activity, Paired Data or Two Samples?	<ul style="list-style-type: none"> Determine when it is appropriate to use paired t procedures versus two-sample t procedures. 	91, 93, 95-97
8	Chapter 10 Review/FRAPPY!		Chapter 10 Review Exercises
9	Chapter 10 Test		Cumulative AP® Practice Exam 3

Chapter 11

Day	Topics	Learning Targets Students will be able to...	Suggested Assignment (MC bold)
1	Activity: The Candy Man Can; 11.1 Stating Hypotheses; Comparing Observed and Expected Counts: The Chi-Square Statistic; The Chi-Square Distributions and P -values	<ul style="list-style-type: none"> State appropriate hypotheses and compute the expected counts and chi-square statistic for a chi-square test for goodness of fit. Calculate the chi-square statistic, degrees of freedom, and P-value for a chi-square test for goodness of fit. 	1, 3, 5, 7
2	11.1 Carrying Out a Test; Follow-Up Analysis	<ul style="list-style-type: none"> State and check the Random, 10%, and Large Counts conditions for performing a chi-square test for goodness of fit. Perform a chi-square test for goodness of fit. Conduct a follow-up analysis when the results of a chi-square test are statistically significant. 	9, 13, 19-21
3	11.2 Tests for Homogeneity: Stating Hypotheses, Expected Counts and the Chi-Square Test Statistic, Conditions and P -values; The Chi-Square Test for Homogeneity	<ul style="list-style-type: none"> State appropriate hypotheses and compute the expected counts and chi-square test statistic for a chi-square test based on data in a two-way table. State and check the Random, 10%, and Large Counts conditions for a chi-square test based on data in a two-way table. Calculate the degrees of freedom and P-value for a chi-square test based on data in a two-way table. Perform a chi-square test for homogeneity. 	27, 29, 31, 33, 35
4	11.2 Relationships Between Two Categorical Variables; The Chi-Square Test for Independence; Using Chi-Square Tests Wisely	<ul style="list-style-type: none"> Perform a chi-square test for independence. Choose the appropriate chi-square test in a given setting. 	41, 43, 47, 49, 51, 55-60
5	Chapter 11 Review/FRAPPY!		Chapter 11 Review Exercises
6	Chapter 11 Test		

Chapter 12

Day	Topics	Learning Targets Students will be able to ...	Suggested Assignment (MC bold)
1	Activity: Sampling from Old Faithful; 12.1 Sampling Distribution of b_1 ; Conditions for Regression Inference	<ul style="list-style-type: none"> Check the conditions for performing inference about the slope β_1 of the population (true) regression line. 	1, 3, 5
2	12.1 Estimating the Parameters; Constructing a Confidence Interval for the Slope	<ul style="list-style-type: none"> Interpret the values of b_0, b_1, s, and $SE_{\hat{\beta}_1}$ in context, and determine these values from computer output. Construct and interpret a confidence interval for the slope β_1 of the population (true) regression line. 	7, 9, 11
3	12.1 Performing a Significance Test for the Slope	<ul style="list-style-type: none"> Perform a significance test about the slope β_1 of the population (true) regression line. 	15, 23-28
4	12.2 Transforming with Powers and Roots; Transforming with Logarithms: Power Models	<ul style="list-style-type: none"> Use transformations involving powers and roots to find a power model that describes the relationship between two variables, and use the model to make predictions. Use transformations involving logarithms to find a power model that describes the relationship between two quantitative variables, and use the model to make predictions. 	33, 35, 37, 39
5	12.2 Transforming with Logarithms: Exponential Models; Putting it all Together: Which Transformation Should We Choose?	<ul style="list-style-type: none"> Use transformations involving logarithms to find an exponential model that describes the relationship between two quantitative variables, and use the model to make predictions. Determine which of several transformations does a better job of producing a linear relationship. 	43, 45, 47, 51-54
6	Chapter 12 Review/ FRAPPY!		Chapter 12 Review Exercises
7	Chapter 12 Test		Cumulative AP® Practice Test 4

AP EXAM REVIEW (9 DAYS)

- Practice AP Free Response Questions
- Choosing the Correct Inference Procedure
- Flash cards
- Mock Grading Sessions
- Rubric development by student teams
- Practice Multiple Choice Questions