AP Statistics Semester Final Exam Study Guide – Chapters 1 to 12

**40 M/C Questions – worth 200 test points**

You bring:

1. Your graphing calculator (or your ID to check one out)
2. 2 blank pieces of scratch paper
3. Pencil and eraser

I will provide you with:

1. AP formula sheet

**Suggestions for studying:**

1. Read the Chapter Summary and Section Summary for each chapter and take notes on the concepts, vocabulary, and formulas. Pay close attention to formulas you need that are NOT on the AP formula sheet that will be provided on the exam.
2. Do all of the review assignments and ask lots of questions
3. Review your notes for each chapter
4. Review the extra examples we have done together in class
5. Review calculator functions - see notes or “Technology Corners Reference” at back of book
6. Go through the PowerPoint slides for each chapter (they are on School Loop)
7. Take the multiple choice tests on the book publisher’s website
8. As needed, do the “Check for Understanding” problems
9. Review your guided reading notes
10. Do steps #1 – 9 ahead of time so you can relax when it is time for the final exam

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| Chapter 1: Graphing with One Variable and Interpreting Graphs |
| Chapter 2: Normal Distributions |
| Chapter 3: Describing Relationships between Two Variables with a LSRL |
| Chapter 4: Designing Experiments |
| Chapter 5: Probability |
| Chapter 6: Random Variables |
| Chapter 7: Sampling Distributions |
| Chapter 8: Confidence Intervals |
| Chapter 9: Significance Tests |
| Chapter 10: Comparing Two Populations |
| Chapter 11: Inference for Distributions of Categorical Data |
| Chapter 12: More about Regression |