Math 304
Final Exam – Dec. 11th at 11:30 am

The format of the final will be like your past tests and quizzes in this course:
- Most of the questions are formatted requesting solving open ended problems
- Bring a compass, ruler, protractor, and calculator
- Mirras & tracing paper will be provided.
- You may use **your vocabulary notebook** & a formula sheet will be provided for Surface Area, Volume, and Temperature.
- It is expected for problems that involve work that those steps are clearly presented.

Probability (Chapter 9)
- Calculate the theoretical probability of an event
- Determine the population using capture recapture
- Determine the probability of an event using tree diagrams and Venn diagrams
- Calculate the geometric probability such as falling inside a given tangram region
- Determine the odds in favor or odds against an event
- Use the principles of counting to determine the number of outcomes with and without replacement

Recommended Practice Problems:
Section 9-1B p. 483-484 #3 & 11; Section 9-2B pp. 504 #11; Section 9-3B p. 513 #6; Section 9-4B p. 522 #1, 5, 11; Section 9-5B p. 534 #5 & 7

Statistics (Chapter 10)
- Describe considerations when designing studies/surveys
- Identify the appropriate types of graphs for given data sets
- Construct box and whisker plots and circle graphs for given data sets
- Compute the median, mean, mode, and mean absolute deviation
- Interpret stem and leaf and plots, histograms, bar graphs, line graphs, pie charts, and pictographs
- Estimate the equation of a trend line
- Interpret standard deviation and Percentiles for data sets
- Identify ways claims and graphs can be misleading

Recommended Practice Problems:
Section10-1B p. 550 #5, Section10-2B pp.566-567 #11 & 13; Section10-3B p. 583 # 9 & 11; Section10-4B pp.606-607 #5, 16, Section10-5B pp. 618-619 # 3, 5

The other part of this study guide to be posted by Sunday