**FALL Final Review – AP Statistics/Statistics**

AP Statistics students will be allowed the yellow AP Statistics Formula Sheet. Statistics students will be allowed one piece of pink paper to use during the final. Make sure you understand how to use your calculator!

Here is a list of topics/terms that will be on the FALL Final:

* Z-scores, standard scores
* Visual displays of data: cumulative frequency graphs, bar graphs, boxplots, stemplots, density curves
* Standard deviation (definition and use)
* Resistance
* Transformation of data
* Percentile
* Normal Distributions
* Correlation – r and r²
* Residuals
* Lease Squares Regression Line (calculate and find a and b)
* 5 number summary - quartiles
* normalcdf and invnorm
* Simple Random Sample
* Survey bias
* Stratified Random sample
* Matched pairs sample
* Observation vs. Experiment
* Cause and Effect conclusions
* Probability: distributions, tables, venn diagrams, mutually exclusive, independent, expected value (mean), probability notation
* Combining Random variables: mean, standard deviation, transforming data
* BINS
* Geometric probability

**Resources**

* Your Textbook
* Your Tests, Quizzes, Resource pages, Group Tests….etc.
* [**http://www.softschools.com/quizzes/ap\_statistics/**](http://www.softschools.com/quizzes/ap_statistics/)
* [**https://www.macmillanlearning.com/catalog/studentresources/tps5**](https://www.macmillanlearning.com/catalog/studentresources/tps5)**e**
* Your vocabulary Flashcards
* Your Teacher and classmates!