***Chapter Twelve Independent Learning***

General:

*What is independent learning?* Independent learning is when you teach yourself! Yes, that is right, you can teach yourself and in college you will *often* need to teach yourself (not that you do not already often need to teach yourself). You will do independent learning on chapter 12.-12.7 over the break.

*What is chapter twelve?*  Chapter twelve is about statistics. I do not emphasize it because it is less important than the rest of algebra which is absolutely required for calculus. However, statistics is still VERY important in the grand scheme of things. You will learn about how to find probabilities of things like drawing cards, you will learn about permutations and combinations, you will learn about standard distributions such as the grades on Mr. Wee’s tests… Statistics tends to be more intuitive than algebra and so it is a good place to practice independent learning.

Instructions: That sounds like a lot of work… What do I have to do? 1.) **Cornell Notes** 2.) **Practice:** by doing some problems. 3.) **Study**: make sure that you understand so that you do well on the test. **Please label and submit each assignment separately!**

Grading: How will my work be assessed?

**Cornell notes (35 homework points):** Take Cornell notes (exactly like we do in class) for each sections between 12.1 and 12.7. You should include all examples, vocabulary, etc. When you do not understand something, study it, think about it, ask a friend and when you figure it out… write yourself a NOTE so that you can study it later.

**Problems (35 homework points):** Do a few problems… especially ones that are similar to the examples… you pick the problems that you do… 5 gets you a C, 7 a B and 10 an A. Please, pick a variety of problems. If you are very good, pick more challenging problems. Do you have to self-check online? Of course, all answers will be posted online.

**Test (50 test points):** During the last class of the week when we return from break, you will have an open note, open book, open homework test, calculators allowed test. Therefore, if you do more problems you will do better on the test. If you take better notes that you can understand, you will do better.