The SET project is due on Friday, 11/8/2013. You should think about it as an extended homework assignment. It will count for more than 2 times as much as a normal homework assignment, so be sure to complete each of problems 1-9 and to write your solutions in a clean, logical way. As with usual homework, you are encouraged to work together, but you should write up your own solutions.

Question 10 is extra credit. I have not solved the problem myself (nor has Prof. Holdener), so I cannot tell you "the" answer, nor can I commit to how much extra credit a solution is worth. Every person who makes progress on it will receive some extra credit. Other past students have made progress on the question, so know at the outset that making progress on the bound is within your grasp. There are proofs of the fact that $\alpha(D) = 20,$ but the proofs rely on other areas of mathematics – your goal is to make progress on the problem using only tools that are available to you after an introduction to abstract algebra.

I will also offer extra credit (again, in an amount to be determined upon evaluation of your work) for progress on any open question you formulate about the SET game that relies on abstract algebra tools. So think about what you're curious about, formulate a well-posed question, investigate, and have fun!

I just completed the daily challenge (and I think I may have lost some of my previous talent for the game). Can anyone beat my time (1:16)? Can you beat each other's times???

http://www.setgame.com/set/daily_puzzle