

# Logic Notebooks

Logic notebooks are designed to develop your logical thinking skills. Unfortunately, you will forget many math formulas and some concepts because you will not use them on a daily basis; however, you will always use your logical thinking skills everyday. Thus, it is my goal to make your logical thinking skills as strong as they can be. The state of Virginia Standards of Learning requires that students be able to judge the validity of a logical argument (G1), and by working on logic problems, you will increase your ability to think logically. From being able to follow the plot in a book or movie to coming up with a solution to how to fix a computer problem, one must be able to think logically. In the real world, few problems come with a solution manual; hence, it is important to work on our logical thinking skills.

Here are the rules to Logic:

1. You must time yourself on these problems and record your time in the space provided.
2. If you spend 30 minutes trying to get an answer to the logic problem, you will get full credit, which will be 5 points.
3. If you get the correct answer to the problem before the 30 minute time limit, you get full credit no matter how quickly you figured out the answer.
4. If you get the wrong answer, here is how you will be graded, which is based on how long you spent trying the problem:
  - \*1-7 minutes with the wrong answer will earn you 1 point out of 5.
  - \*8-14 minutes with the wrong answer will earn you 2 points out of 5.
  - \*15-21 minutes with the wrong answer will earn you 3 points out of 5.
  - \*22-29 minutes with the wrong answer will earn you 4 points out of 5.
5. You must show your work, for I want to see how you are approaching the problem.
6. You may not discuss the logic problems with anyone except me. You are on your Honor.
7. There is no one way to do these problems, for some will have multiple answers.  
The key is to sit down and think!
8. Do not spend more than 30 minutes on a problem, for I don't want you to become frustrated. Please note that I will sometimes give you a problem that doesn't have an answer, so spending more than 30 minutes would be a big waste of your time.
9. You will have 2-3 weeks to work on the 6 logic problems. You must work on them in your spare time. Do not procrastinate for you will not be able to finish the whole notebook the night before it is due.
10. If you turn in your "Logic Notebook" on the 2 days before it is due, you will get 5 extra credit points. If you turn it in 1 day before it is due, you will get 3 extra credit points.

Charts, color coding, Venn diagrams, graphs, and pictures are all ways of helping you solve problems, so use them. Don't forget to show your work, for you will only get credit if I see something, whether wrong or right, written on your paper.