

Official Playbook for the Superbowl of High School Calculus

Preparation:

1. Make sure you locate and prepare a nice, quiet site in your school that will be available for the entire time of the contest (9 AM - noon EST on May 2, 2002).
2. All teams must work independently. Ideally, each team should have a separate area in which to take the test, because overhearing other teams may result in an unfair advantage. I am scrutinizing work submitted by different teams from the same school...**don't give me any reason to think that the teams collaborated, or the teams will be disqualified!** Two answers that sound a lot alike are very suspicious ...
3. Twenty minutes before the contest begins (i.e. at 8:40 AM EST on May 3) the question set will be uploaded as a .PDF file. You should make sure you can download and print out these types of files. If you followed the directions in the Registered Player area on www.calculus-help.com, and are able to print out both this and the test page, you're fine.
4. Remind students that they cannot use books, notes, or **any kind of calculating device**. This includes counting on fingers, so all players should have their fingers surgically removed before the contest begins. (They may be reattached at the end of the contest.)
5. On second thought, fingers are allowed.

On May 3:

6. At 8:40 AM EST, questions will be uploaded to this website:
<http://www.calculus-help.com/superbowl/greenbeans.html>
This is the same site you reach by using your password when signing in to the registered section of the web site. Do not distribute the questions until 9 AM EST.
7. If there is a problem with the web site for some unforeseen reason, type one of the following two web addresses into your browser, and you'll be able to get the questions there:
 - www.chesapeake.net/~mikekelley/contest.pdf

- www.wam.umd.edu/~wmkelley/contest.pdf
8. Print the problems out and distribute to your team.
 9. The team may delegate the problems however they wish. Everyone can work on the same problems, or they can split them up. The problems will be in roughly ascending order of difficulty.
 10. There will be room on the sheets to do work, but if additional paper is necessary, it should be included. All work should be easy to read and organized. If I have trouble following your work or understanding your logic, you may be penalized.
 11. **All teams must work independently of one another.** If teams can overhear each other, that is an unfair advantage. It's the teacher or proctor's responsibility to make sure teams cannot overhear one another.
 12. At precisely 12 noon EST, the contest is over. Collect the papers and please fax them to Mike Kelley at this number: 413-771-8395. Since papers are being faxed, tell students to write neatly and using a dark pen or pencil. Illegible papers cannot be graded. If, for some reason, you cannot fax to the given number, fax to 301-314-2620, **but only if the first number doesn't work.** I must receive all of the faxed answers back by 12:45 PM EST, unless you have made prior arrangements with me, or else the team is disqualified.
 13. Each problem is worth a maximum of 10 points. Keep in mind that a 10-point answer is complete, correct, and well-expressed. Longer answers don't automatically get more points. In addition, a 2-point bonus (called Best Plays) for the best answer will be awarded to one team for each problem. Other bonus points will be awarded as I see fit. In other words, you may not win overall, but you may win Best Play for a particular problem, and in so doing, receive bonus points.
 14. By June 1, all schools will be notified of the results. It may be long before then, but then again, it may be June 1. Results will be posted on Calculus-Help.com (all schools will be ranked) and schools will receive their answer sheets back via mail. Please note that the sheets will be scored on a separate sheet of paper, and you will not receive the individual scores back. You will, however, receive some comments as warranted.