

January 11, 2006

Dear Mathematics Director,

The Stanford University Mathematical Organization is pleased to invite your school to the **2006 Stanford Mathematics Tournament**, to be held on **Saturday, February 25**. This contest brings together students from the greater Bay Area for a day of challenging problems and mathematical fellowship. The tournament is run by Stanford students in collaboration with the Rice Math Tournament, which will be held simultaneously in Houston, Texas.

The tournament is composed of four subject area tests (algebra, geometry, advanced topics, and calculus), a general test, and a team test. We also plan to have a member of the Stanford faculty give a talk in the afternoon.

- The **subject area tests** are 50-minute individual exams consisting of 10 short answer questions. Students may take one of algebra and advanced topics and one of geometry and calculus. Each subject test is worth 50 points. The advanced topics test covers areas such as probability, number theory, and pre-calculus.
- The **general test** is a 110-minute test that is designed for students with less mathematical background; it is held at the same time as the subject area tests. The general test will have around 40 short answer questions and be worth 75 points.
- The **team test** is a 50-minute, 8-person exam, testing material from all areas of high school mathematics. It is worth 400 points.

You are welcome to bring as many students as you like, but you will need to group them into teams of 8 people. Even if you do not have enough students for a full team, any number of students are welcome to participate; they can be grouped together with students from other schools to form a team. A team's overall score will be determined by adding its score on the team test to the sum of the individual scores of each of its students (up to 100 points for taking two subject area tests, 75 points for the general test). Thus, the maximum team score is 1200 points.

Here is the schedule for the contest:

| | |
|---------------|------------------------------|
| 9:00 - 10:15 | Registration / Check-In |
| 10:30 - 11:20 | Algebra |
| | Advanced Topics |
| | General Test (ends at 12:20) |
| 11:30 - 12:20 | Geometry |
| | Calculus |
| 12:30 - 1:45 | Lunch |
| 2:00 - 2:50 | Team |
| 3:15 - 4:15 | Speaker |
| 4:30 - 5:30 | Awards Ceremony |

Please note that lunch will not be provided, so students need to make their own arrangements. There are a

few places to eat on campus, as well as several fast-food restaurants within a few miles; students may also bring their own lunches. The enclosed map shows the math building (Building 380), where the contest will be held, as well as Tresidder Union, the primary option for buying food on campus.

The early registration deadline is February 11, 2006. You may still register after this date, up to the morning of the contest, but we strongly encourage you to register early if possible. There will be a late fee for entries postmarked after this date (please see registration form) and an additional fee for registrations completed upon arrival at the tournament. Early registrations will also help us make sure the contest runs smoothly.

You must register by sending the enclosed form to:

Tina Lin
Stanford University Mathematical Organization
P.O. Box 11238
Stanford, CA 94309

Please remember to allow sufficient time for late registrations to arrive by mail, as the Stanford Post Office is generally a couple days slower than other area post offices. Note that if we have not received your form by February 25, registration should be done on the morning of the tournament.

Information about the contest is also available on our website: sumo.stanford.edu. Please feel free to contact Tina Lin at (650) 799-9474 or preferably at tinytina@stanford.edu with any questions. Even if you are unsure which students will be attending, we would still very much appreciate an approximate number of teams and students to expect.

Sincerely,

Tina Lin
Treasurer, Stanford University Mathematical Organization