

February 21, 2007

Dear Mathematics Director,

The Stanford University Mathematical Organization is pleased to invite your school to the **2007 Stanford Mathematics Tournament**, to be held on **Sunday, March 4, 2007**. 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. 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 300 points.
- The **power event**, taken in the same teams as the team round, is a 50-minute, multi-part, proof-oriented question. It is worth 200 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 1300 points.

Because of the addition of the Power Test, the schedule for the contest this year will be slightly different from the past years. Here is the schedule for this year's contest:

8:30 - 9:30	Registration / Check-In
9:40 - 10:30	Power Round
10:40 - 11:30	Team
11:45 - 12:45	Lunch
1:00 - 1:50	Algebra
	Advanced Topics
	General Test (ends at 2:50)
2:00 - 2:50	Geometry
	Calculus
3:00 - 3:30	Tie-breaker rounds
4:00 - 5:00	Speaker
5:00 - 6:00	Awards Ceremony

Please note that, this year, lunch WILL be provided to make sure that everyone is on time for the afternoon tests. Please also note that the registration price for each student is different this year to accommodate for lunch costs.

The enclosed map shows the math building (Building 380), where the contest will be held.

The early registration deadline is February 17, 2007. 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 March 4, registration should be done on the morning of the tournament.

This year, instead of sending in a registration form by mail, you may also register online (payment is still by check). Please see our tournament website for the form. Other information about the contest (including rules for a tiebreaking round) is also available on our website: <http://sumo.stanford.edu>. Please feel free to contact Tina Lin at (650) 799-9474 or preferably at [tinytina@stanford.edu](mailto: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  
President, Stanford University Mathematical Organization