



Fall 2007 - Special

# AMC's Math Messenger

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**WHAT:** Colleges/Universities administering the MAA's AMC 10/12 Contest

**WHO:** Institutions of Higher Education hosting High School Math Students

**WHEN:** WEDNESDAY, February 27, 2008

**WHERE:** Your College or University

- WHY:**
- ◆ Attract bright, motivated and highly qualified students to your department and major
  - ◆ Allows students whose schools do not offer the MAA High School contests to participate
  - ◆ Uses a well-known, high quality contest with rich mathematical questions
  - ◆ Outreach, service and publicity for your department with minimum time and effort

**HOW:** See more information below or contact the AMC :

Email: [amcinfo@maa.org](mailto:amcinfo@maa.org)

Phone: 800/527-3690

Fax: 402/472-6087

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The Mathematical Association of America's American Mathematics Competitions invites your college or university to take part in a new facet of our AMC contests planned for the 2007-2008 school year.

To provide an ideal recruiting opportunity for you, create an outreach activity with minimal effort and to offer more opportunities for students and schools to participate in the AMC 10 and AMC 12 contests, we will be encouraging Colleges and Universities to offer the AMC 10/12 contest on their campuses for students in their region. We have attached a copy of the AMC 10/AMC 12 2008 Brochure, to give you a general background on these contests.

The B Contest will be held WEDNESDAY, February 27, 2008. In this new program the contest, traditionally given at local high schools, will also be available to be administered by the math department of your institution. This provides an opportunity for college bound students to visit your campus. Mathematical talks, informational sessions and tours for prospective students can be arranged to round out their visit to your campus for the contests.

If your institution chooses to participate in this program, once you have registered in the fall we will post the name of your campus on our web site, along with contact information for interested parties. In this way students/schools who plan to attend can make arrangements directly with you. You can also recruit schools and students for your contest administration.

## 1. PURPOSE

Both AMC 10 and AMC 12 are 25-question, 75-minute multiple-choice contests. The AMC 12 covers the high school mathematics curriculum, excluding calculus. The AMC 10 covers subject matter normally associated with grades 9 and 10. To challenge students at all grade levels, and with varying mathematical skills, the problems range from fairly easy to extremely difficult. Approximately 12 questions are common to both contests. Our purpose is to increase interest in mathematics and to develop problem solving through a friendly, fun competition.

## 2. PARTICIPATION

The contests are given on your campus at the same time to all participating students in a convenient 75-minute interval, preferably in the morning, but an "after school" time slot is also acceptable. The contests should be proctored by faculty/staff members of the participating institution.

## 3. RESULTS & AWARDS

Each participating institution receives a copy of the contest and solutions, a results report for the students participating at your institution, and the National Summary of Results and Awards booklet. We will provide awards for students. You may also decide to give special awards to the top students who take part.

Regional sites with at least three participants will be eligible for a special group of national awards, based on student scores.

AMC 12 students who rank in the top 5% nationally (or score at least 100) will qualify for the American Invitational Mathematics Exam (AIME). AMC 10 students who rank in the top 1% nationally (or score at least 120) will also qualify for the AIME. The USAMO (USA Mathematical Olympiad) qualifiers are picked from the top students on the AIME.

You may be requested to host one or more AIME qualifiers for the AIME contest on March 18, and perhaps even host a USAMO qualifier on April 29-30, 2008. These highly capable students will be top prospects for your institution.

#### 4. REGISTRATION

If you would like to participate, please contact our office for a College Registration Packet. This will give you the details on the registration and administration of this program. You can then sign-up to be an institutional regional site by mailing the Registration Form included in the packet or on the web at [www.unl.edu/amc](http://www.unl.edu/amc).

Regional sites should keep a list or data base of all students who have enrolled for the contest at their particular institution. This information will include schools for each student, and school contact information, for score distribution to students and for use if the student qualifies for the AIME.

Spanish and French editions of the 2008 AMC 10 and AMC 12 may be requested. Braille and large print editions are also available. All requests for these special versions must be made no later than three weeks before the contest.

#### 5. COSTS

Registration cost for regional sites will be \$60.00, and will include contest preparation, scoring and expedited shipping. We allow you to enroll students up until two weeks before the contest, to allow us time to ship you the contests. Costs for the individual contests and solutions are:

AMC 10, one bundle of 10 contests -- \$20.00, or \$2.00 per student

AMC 12, one bundle of 10 contests -- \$22.00, or \$2.00 per student

These costs can be handled in several ways. The hosting institution can charge a minimal fee per student for each participant taking the contest or the costs can be absorbed by the host institution, or a combination of the above.

Schools using a credit card or purchase order may register by mailing the Registration Form included with the Registration packet, or fax the form to us at 402-472-6087. We accept Visa and Mastercard. When paying by check please mail your registration form with payment well in advance of the deadline dates.

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American Mathematics Competitions  
University of Nebraska - Lincoln  
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## 2007 USAMO RESULTS

The Thirty-sixth United States of America Mathematical Olympiad (USAMO) was held April 24-25, 2007. The Highest Ranking Individuals and Honorable Mention lists are given below. (Names listed alphabetically)

### WINNERS - SCORE OF 23 OR ABOVE

Sergei Bernstein	10	Belmont High School	Belmont	MA
Sherry Gong	12	Phillips Exeter Academy	Exeter	NH
Adam Hesterberg	12	Garfield High School	Seattle	WA
Eric Larson	10	South Eugene High School	Eugene	OR
Brian Lawrence	12	Montgomery Blair HS	Kensington	MD
Tedrick Leung	12	North Hollywood HS	Winnetka	CA
Haitao Mao	11	Thomas Jefferson HS Sci/Math	Vienna	VA
Delong Meng	10	Baton Rouge Magnet HS	Baton Rouge	LA
Jacob Steinhardt	11	Thomas Jefferson HS Sci/Math	Vienna	VA
Arnav Tripathy	12	East Chapel Hill HS	Chapel Hill	NC
Krishanu Sankar	11	Horace Mann High School	Hastings on Hudson	NY
Alex Zhai	11	University laboratory HS	Champaign	IL

### HONORABLE MENTION - SCORE OF 19-22

David Benjamin	10	William Henry Harrison HS	West Lafayette	IN
Gregory Brockman	12	Red River HS	Grand Forks	ND
Yingyu Gao	11	Phillips Exeter Academy	Exeter	NH
Yan Li	11	Stephen Leacock CI	Agincourt	ON
Gaku Liu	11	Lawton Chiles HS	Tallahassee	FL
Jeffrey Manning	11	Los Angeles Valley College	Valley Glen	CA
Palmer Mebane	11	Governors School	Richmond	VA
Evan O'Dorney	8	Berkeley Math Circle, U of CA	Berkeley	CA
Alexander Remorov	11	William Lyon Mackenzie CI	Toronto	ON
Max Rosett	11	The Waterford School	Sandy	UT
Qiaochu Yuan	11	Bellevue HS	Bellevue	WA
Bohua Zhan	12	West Windsor-Plainsboro South HS	Princeton Junction	NJ

The top twelve students and their parents are invited to attend the Olympiad Awards Ceremony which is held annually in Washington, D.C. This year the ceremony was held May 20-21, 2007.



2007 USAMO Winners

Standing, from left to right: Joseph A. Gallian (MAA President), Eric Larson, Krishanu Sankar, Sergei Bernstein, Adam Hesterberg, Delong Meng, Jacob Steinhardt, Sherry Gong. Kneeling: Tedrick Leung, Alex Zhai, Arnav Tripathy, Brian Lawrence, Haitao Mao.