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# AMATYC

## STUDENT MATHEMATICS LEAGUE

### HISTORY

The Student Mathematics League was founded in 1970 by Nassau Community College in New York. In 1981 the American Mathematical Association of Two-Year Colleges assumed sponsorship with Terry Shell of Santa Rosa Junior College as its first director. The League has grown to more than 165 colleges in more than thirty-five states as well as Bermuda, involving over eight thousand community college mathematics students.

## STUDENT MATHEMATICS LEAGUE

### OFFICIAL RULES

#### GENERAL ELIGIBILITY

Any two-year college is eligible to enter a team of 5 or more students, or individual students if fewer than 5 students wish to compete. Any student at a two-year college who has not earned a two-year college or higher degree is eligible to compete (part-time students are eligible).

#### ELIGIBILITY FOR THE GRAND PRIZE

In addition to meeting general eligibility requirements, a student must have successfully completed a minimum of 12 semester hours (or equivalent quarter hours) of community college (two-year college) coursework by the end of the academic term in which the second exam is given. Students enrolled in a four-year institution or in high school at the time of the competition are NOT eligible for the grand prize, nor are previous recipients of the grand prize. Official transcripts and a letter signed by the student and local moderator certifying eligibility will be required in order to award the prize. The scholarship must be used within two years of its award at the conference; if it is not, two scholarships will be awarded in the next year's competition.

#### REGISTRATION

To register, moderators should visit the AMATYC website at [www.amatyc.org](http://www.amatyc.org). **All registrations will be handled electronically.** Once all fields are completed and transmitted successfully, your registration will be confirmed by an acknowledgement email from the AMATYC Office. If you register and do not receive an acknowledgement confirmation, you will need to contact

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the AMATYC Office to be sure your form was transmitted correctly. Registration begins August 1, 2004. Registrations accepted after September 30, 2004, will incur a \$15 late fee.

New registrations are welcome anytime during the testing year. However, to insure receiving materials in time to compete in the first round and to avoid the late fee, register online by September 30, 2004.

#### DUES AND FEES

The annual dues, payable to the AMATYC Student Mathematics League by December 15, are \$35.00 per school. The registration fee continues to be waived for Institutional Members current as of August 31, 2004; however, if registration is not received by September 30, 2004 the late fee will apply.

Colleges that are not current Institutional Members of AMATYC or colleges owing the registration and/or late fees will be invoiced directly by the AMATYC Office. Payment must accompany purchase orders and **all payments are due by December 15.**

Dues and fees collected are used for prizes, printing and mailing expenses. For your convenience, you may pay the annual dues with Visa, MasterCard, or Discover at the time you register. Details are provided at the website.

#### MODERATOR'S DUTIES

The moderator at each college is responsible for the proper administration of the examinations, examination security before and during the period in which they are to be administered, and the scoring and reporting of examination results. The moderator will also construct ten potential exam questions and send them to the Test Developer by April 1.

#### TEST ADMINISTRATION PROCEDURES

The two examinations that constitute the contest are administered locally during a period in October/November and February/March. This year's dates are: Round 1, Friday, October 22, 2004 - Saturday, November 6, 2004, inclusive and Round 2, Friday, February 18, 2005 - Saturday, March 12, 2005, inclusive. Tests last one hour and are administered on any one day of a testing window designated by the Director. At the discretion of the moderator, students arriving before the end of the hour may be allowed one full hour (thus the maximum time of the session is two hours). Each test may be administered only once at each school. The administration of the Student Mathematics League test shall comply with the

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Americans with Disabilities Act. Any accommodation will be in accordance with the procedures used on the campus where the test is administered.

The tests will arrive in a sealed envelope. Local moderators are to collect the examinations after they are administered and are to keep them until the examination window closes, at which time they may be distributed to the students. Answers to each exam are distributed by email after the testing window closes.

Tests should be graded upon receipt of answers and the official results should be sent immediately to the Student Mathematics League Chair:

Chuck Wessell, Chair  
Student Mathematics League  
Durham Technical CC  
1637 Lawson St.  
Durham, NC 27703

#### TEST FORMAT

The level of the tests is precalculus mathematics. Questions are from a standard syllabus in College Algebra and Trigonometry and may involve precalculus algebra, trigonometry, synthetic and analytic geometry, and probability; questions that are completely self-contained may be included as well. All questions are short-answer or multiple choice (multiple choice questions will have at least 4 response choices). No partial credit is allowed in scoring. The test will be sent to each participating school to arrive prior to the test window. Printing errors that are not corrected prior to the test period will invalidate that particular question, and all students will be marked correct for that question.

#### CALCULATORS

Students are permitted to use any scientific or graphics calculator that does not have a QWERTY (i.e. typewriter) keyboard.

#### SCORING AND RESULTS

The Director will verify and summarize the overall results at the close of the submission window and send these results back to the colleges. No results for a previous round will be accepted once the next round begins. For scoring purposes the top five contestants from each college on each exam comprise that college's team (thus the team may change its composition from one exam to the next).

The moderator at a college who wishes to protest a question on an exam must do so in writing to the Director

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within two weeks of the last day of the examination window of the round containing the disputed question. The Director will consult the Test Developer. The Director's decision after consulting the Test Developer is final. The results of the year's competition are final once printed and distributed following the Round 2 exam.

#### AWARDS

To be eligible for an individual award, a participant must compete on both exams. The team score consists of the best five scores on the exam in each round. The individual student team members may change from exam to exam. A team may consist of fewer than five students if necessary, and in this case the team's score is the sum of the scores of the students participating. The grand prize for the qualified individual with the highest total score on the two exams is a \$3,000 scholarship to be used to continue his or her education at an accredited four-year institution. In the case of a tie for the grand prize, the scholarship will be evenly divided. The top ten ranking individuals will receive appropriate prizes of a mathematical nature, as will the five highest ranking members of the first place team. The five highest ranking teams, as well as the team and individual champions from each of AMATYC's eight regions, will receive plaques at the following year's AMATYC annual conference. In addition, certificates of merit will be awarded to the top five individuals from each participating school. The prizes, plaques, and certificates are sponsored by the **American Mathematical Association of Two-Year Colleges.**

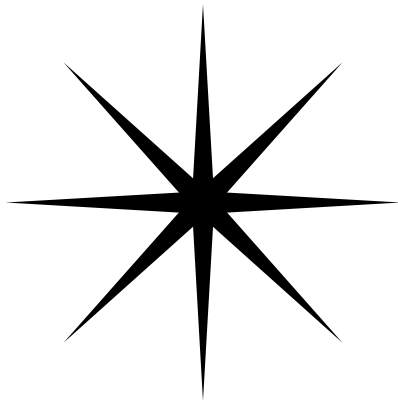
**New Award: The Glenn Smith Team Award** was established in 2003 in memory of Glenn Smith, who contributed so much to the AMATYC Student Mathematics League. A plaque will be awarded annually to the top ranked team in the SML competition, and there shall be a perpetual plaque in the AMATYC office that records the team and moderator for each year.



**All registrations will be  
handled electronically at  
the AMATYC website,  
[www.amatyc.org](http://www.amatyc.org).**

Any questions regarding the  
Student Mathematics League  
should be directed to:

AMATYC Office  
5983 Macon Cove  
Memphis, TN 38134  
901.333.4643  
amatyc@amatyc.org



Anyone wishing to participate,  
including Institutional Members,  
must register. Your team is not  
registered unless you receive an  
acknowledgement from the  
AMATYC Office.

### RECENT TEAM CHAMPIONS

1993 American River College  
1994 American River College  
1995 Pasadena City College  
1996 Pasadena City College  
1997 Pasadena City College  
1998 Pasadena City College  
1999 Pasadena City College  
2000 DeAnza College  
2001 Brookdale CC  
2002 Johnson County CC  
2003 City College of San Francisco  
2004 Los Angeles City College

### RECENT INDIVIDUAL CHAMPIONS

1993 Jun Yang, San Joaquin Delta College  
1994 Tsun Ya Hsu, Middlesex County College  
1995 Lei Jin, Pasadena City College  
1996 Kevin Foster, Parkland CC  
1997 Wing Shing Tsui, Santa Monica College  
1998 Chenjian Xu, Pasadena City College  
1999 Reza Jacob, Broward CC  
2000 Ben D'Angelo, Santa Rosa JC  
2001 Brian Wyman, Brookdale CC  
2002 Jeffrey Amos, Johnson County CC  
2003 Jeffrey Amos, Johnson County CC  
2004 Silas Johnson, Normandale CC

### RECENT CHARLES MILLER

#### MEMORIAL SCHOLARSHIP WINNERS

1993 Allen Chen, American River College  
1994 Jamal Zumot, American River College  
1995 Lei Jin, Pasadena City College  
1996 Kevin Foster, Parkland CC  
1997 Wing Shing Tsui, Santa Monica College  
1998 Chenjian Xu, Pasadena City College  
1999 Hyunjin Moon, DeAnza College  
2000 England Wei, DeAnza College  
2001 Ying Sheng, Pasadena City College  
2002 Dmitri Nedelchev, Los Angeles City College  
2003 Luana Raduca, Los Angeles City College  
(tie) Jiajing Xu, Pasadena City College  
2004 Jeong Min Seong, Los Angeles City College

### AMATYC EXECUTIVE BOARD

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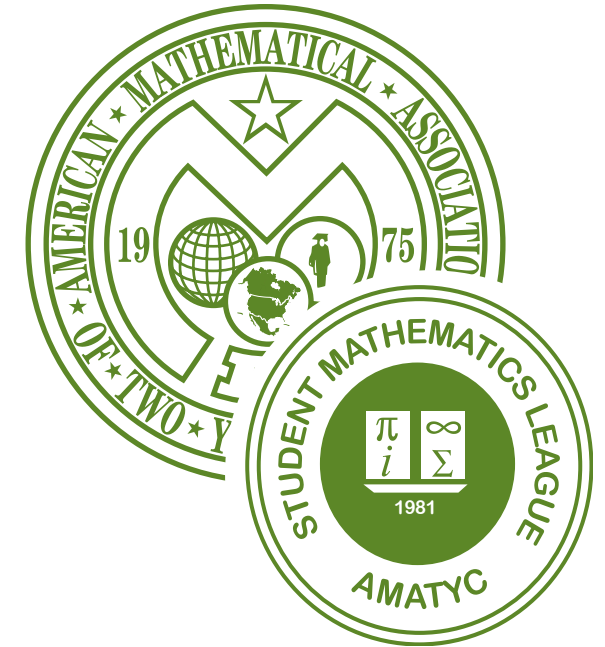
### AMATYC OFFICE

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Executive Director of Office Operations

**Beverly Vance, Christy Hunsucker**  
**Christine Shott, Shinder Blunt**

Southwest Tennessee CC  
5983 Macon Cove  
Memphis, TN 38134



Student  
Mathematics  
League

AMATYC

American  
Mathematical  
Association  
of Two-Year  
Colleges

2004-2005