

The
29th
annual

ALABAMA



STATEWIDE
HIGH SCHOOL
MATHEMATICS
CONTEST

sponsored by
ALABAMA COUNCIL OF TEACHERS
OF MATHEMATICS
and the
ALABAMA ASSOCIATION OF COLLEGE
TEACHERS OF MATHEMATICS

1st Round: 27 March 2010

2nd Round: 24 April 2010

In the first round, students take written tests at one of eight regional sites. Based on the results of the written Comprehensive test from the first round, selected schools are invited to participate in a second round ciphering tournament at The University of Alabama.

Copies of previous written tests and ciphering questions can be obtained from the Contest Director, from the contest web site, or from some issues of the ALABAMA JOURNAL OF MATHEMATICS beginning in 1981.

HISTORY AND PURPOSE

In 1979, ACTM and AACTM recommended that a mathematics activity be designed to appeal to a wider segment of good mathematics students than the existing competitions. The two organizations agreed to jointly sponsor a statewide contest each year as one of their major projects.

The major purposes of the contest are to stimulate interest in mathematics among all students and to recognize the achievements of outstanding mathematics programs and students.

CONTEST ELIGIBILITY

There are three written tests: Comprehensive, Geometry, and Algebra II with Trigonometry. Any student may take the Comprehensive test, but the test is most appropriate for students who will have completed both Algebra II with Trigonometry and Geometry by the end of the school year. To take the Geometry or Algebra II with Trigonometry tests, students must be currently enrolled in the appropriate classes.

Special Rule for block-scheduled schools: Students who are currently enrolled in mathematics courses must follow the rules given above. Students who are not currently enrolled in mathematics courses may compete as if they were currently enrolled in their most recent mathematics course, provided they took that class during the current academic year.

Schools are classified according to enrollment and compete in one of three divisions. All Academic Magnet Schools must compete in Division I.

PUBLIC SCHOOLS

Division I -- 6A
Division II -- 4A, 5A
Division III -- 1A, 2A, 3A

PRIVATE SCHOOLS

Division I -- Those offering calculus
Division II -- Those offering one year of math beyond Algebra II with Trigonometry and Geometry
Division III -- All others

JUNIOR HIGH SCHOOLS

Division I -- More than 225 students
Division II -- Less than 225 students

A school may field teams for one, two, or all three tests. There is no minimum number of students required to field a team for a test. For each test, a school's team score is the sum of its four highest individual scores.

REGISTRATION OF SCHOOLS

Each school desiring to enter students in the contest should designate one person as the official Team Sponsor. This Team Sponsor shall be responsible for filing the official School Enrollment Form, arranging payment for the test, and conducting all necessary correspondence with the Contest Director.

The School Enrollment Form appears at the end of this announcement. It should be filled in completely and mailed as soon as possible to Nicole Mitchell. Please try to register by 12 March, 2010.

Upon receipt of the School Enrollment Form, each school will be assigned to a Division and a District. Identification numbers for schools and students will not be assigned until the day of the contest.

Acknowledgements of registration will be sent only to schools which register by 12 March, 2010. Late registrants desiring confirmation of their registrations are advised to obtain delivery confirmation from the U.S. Post Office.

Team Sponsors are urged to submit School Enrollment Forms as soon as possible to permit orderly organization and administration of the contest.

PARTICIPATION FEE

A non-refundable fee of \$10.00 plus \$5.00 per participating student will be charged to each participating school. Payment of the entrance fee will be due with the registration form. Math Team Sponsors are urged to seek payment from school funds.

The School Enrollment Form and fee should be sent to:

Nicole Mitchell
Department of Mathematics, BOX 870350,
The University of Alabama
Tuscaloosa, AL 35487

Please make checks payable to: ALABAMA COUNCIL OF TEACHERS OF MATHEMATICS.

TESTING AND GRADING PROCEDURES

On 27 March 2010, each student will report to the Testing Site corresponding to his or her school's district to take one of the three written tests. Each test begins at 9:00 AM and ends at 11:00 AM. The testing sites will open at 8:00 AM, and students should arrive by 8:30 AM so that the tests may start and end on time.

- Each student should bring at least two (2) sharpened No. 2 pencils. Hand calculators are NOT allowed.
- Each student will be allowed to keep his or her copy of the test without charge. An additional copy of the test will be provided for each Team Sponsor.

The test will consist of problems or questions to which five multiple choice answers are given. Proctors at each Testing Site will provide an answer sheet for each student and will explain to the students how to determine their identification numbers. The answer sheets will be computer scored during the following week at The University of Alabama.

1st Round: 27 March 2010 at your Testing Site

DISTRICT	COUNTIES	TESTING SITE	ON SITE CONTACT
I	Colbert, Cullman, Franklin, Lauderdale, Lawrence, Limestone, Morgan, Winston	Wallace State Community College Harlan G. Allen Math Building	Renee Quick 256-352-8240 renee.quick@wallacestate.edu
II	Blount, Jackson, Marshall, Madison	University of Alabama at Huntsville TBA	Lanita Presson 256-824-6270 pressol@email.uah.edu
III	Bibb, Fayette, Greene, Hale, Lamar, Marengo, Marion, Pickens, Perry, Sumter, Tuscaloosa	The University of Alabama Gordon Palmer Hall	Zhijian Wu 205-348-5094 zwu@as.ua.edu
IV	Chilton, Jefferson, Shelby, Walker	University of Alabama at Birmingham TBA	Rudi Weikard 205-934-2154 rudi@math.uab.edu
V	Calhoun, Cherokee, Clay, Cleburne, Dekalb, Etowah, St. Clair, Randolph, Talladega	Jacksonville State University Ayers Hall	Martha Knight 256-782-5118 mknight@jsu.edu
VI	Autauga, Barbour, Bullock, Chambers, Coosa, Dallas, Elmore, Lee, Lowndes, Macon, Montgomery, Russell, Tallapoosa, Wilcox	Auburn University Montgomery Goodwyn Hall	Scott Brown / Joan Powell 334-244-3862 / 3248 sbrown7@mail.aum.edu jpowell@mail.aum.edu
VII	Bladwin, Choctaw, Clarke, Escambia, Mobile, Monroe, Washington	University of South Alabama Instructional Laboratory Building	Ameina Summerlin 251-460-6264 summerli@jaguar1.usouthal.edu
VIII	Butler, Coffee, Conecuh, Covington, Crenshaw, Dale, Geneva, Henry, Houston, Pike	Wallace Community College at Dothan Computer Technology Center	Jim Kinney 334-983-3521 ext 2309 JKinney@wallace.edu

SECOND ROUND COMPETITION

Second round competition will be held on 24 April for the Comprehensive level only. All teams which are District winners* in the first round Comprehensive competition will be invited to a second round ciphering tournament. Additional high-scoring teams will be invited "at large" to complete a field of up to 16 teams in each Division. These teams will meet at The University of Alabama on 24 April 2010. For further information about the second round, contact the Contest Director or see the contest web site.

2nd Round: 24 April 2010 at The University of Alabama

RESULTS

Detailed results of the contest will be compiled and mailed to each participating school following each round of the competition. A summary of the results will be included in the ALABAMA JOURNAL OF MATHEMATICS and on the contest web site.

COMPREHENSIVE AWARDS

For outstanding performance in the contest, awards will be given in each Division as follows:

1. In both the first and second round: trophies to the top four teams, plaques to the next four teams, and certificates to other teams in the top 50% statewide.
2. Trophies to all District winners.*
3. Certificates to all teams participating in the second round.
4. Trophies to the individuals who place first, second, and third in the state in the first round.
5. In each District, certificates to individuals finishing first, second, or third and to individuals finishing in the top 25% statewide.

ALGEBRA II WITH TRIGONOMETRY AND GEOMETRY AWARDS

For outstanding performance in the contest, awards will be given in each Division as follows:

1. Trophies to the top three teams, plaques to the next three teams, and certificates to other teams in the top 50% statewide.
2. Trophies to all District winners.*
3. Trophies to the individuals who place first, second, and third in the state.
4. In each District, certificates to individuals finishing first, second, or third and to individuals finishing in the top 25% statewide.

*A team which is the only team in its Division and District must be in the top half of its Division to be declared the District winner.

FOR MORE INFORMATION

See the contest web site (<http://mcis.jsu.edu/mathcontest>) or contact the Contest Director: Professor Zhijian Wu, Department of Mathematics, The University of Alabama, at 205-348-5094 or zwu@as.ua.edu

Cut here

SCHOOL ENROLLMENT FORM (ONE RETURN FORM PER SCHOOL)

Please help us by completing the entire form including area code

SCHOOL NAME _____

COUNTY _____ DISTRICT _____

SCHOOL ADDRESS _____ ZIP _____

NAME OF TEAM SPONSOR _____

SCHOOL PHONE (_____) _____

WHAT TIME OF DAY CAN WE CALL THE SCHOOL AND EXPECT TO REACH YOU? _____

EMAIL ADDRESS FOR THE TEAM SPONSOR _____ @ _____

CHECK ONE:

___ Academic Magnet School (Division I)

___ Public 6A (Division I)

___ Public 5A or 4A (Division II)

___ Public 3A, 2A, 1A (Division III)

___ Private (Division I) See Contest Eligibility

___ Private (Division II) See Contest Eligibility

___ Private (Division III) See Contest Eligibility

___ Junior High Schools (Division I) S.C.E.

___ Junior High Schools (Division II) S.C.E.

NUMBER OF
STUDENTS
TAKING:

Comprehensive _____ x \$5.00 = _____

Algebra II with Trig. _____ x \$5.00 = _____

Geometry _____ x \$5.00 = _____

School fee = 10.00

TOTAL = _____

MAKE CHECKS PAYABLE TO:

Alabama Council of Teachers of Mathematics

SEND REGISTRATION TO:

**Nicole Mitchell, Department of Mathematics, BOX 870350,
The University of Alabama, Tuscaloosa, AL 35487**

RETURN THIS FORM WITH REGISTRATION FEE BY March 12, 2010 (or as soon as possible thereafter)

