

The 38th
Annual

ALABAMA

STATEWIDE MATHEMATICS CONTEST



sponsored by

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

1st Round: February 23, 2019

2nd Round: April 6, 2019

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 at Birmingham. Copies of previous written tests and ciphering questions can be obtained from the contest web site, www.una.edu/math/mathcontest

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. Homeschooling groups will be considered on a case-by-case basis.

Division 1: 7A, Magnet Schools, Private Schools offering a Math Team course
or any course beyond calculus

Division 2: 5A and 6A, All other Private Schools, Middle Schools averaging
225 students or more per grade level

Division 3: 1A, 2A, 3A and 4A, Middle Schools averaging less than 225 students
per grade level

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 emailing in the registration for the contest, arranging payment for the test, and conducting all necessary correspondence. The mailing address for the registration check is listed below.

Registration will begin near the end of November. On the registration form, the Team Sponsor will have the option to choose for their school to test at another district's Testing Site, but each school will still be competing within its traditional district. Each school's students must test at the site chosen on the registration form. **All registrations must be postmarked by February 6.** If you are mailing your registration within a week of the deadline, we ask that you also email a copy of the registration form to Ms. Michelle Williams at mwill119@aum.edu.

PARTICIPATION FEE.

A school fee of \$10.00 plus \$5.00 per student will be charged to each participating school. Payment must be postmarked by February 6. Math Team Sponsors are urged to seek payment from school funds.

The registration form at the end of this document can be printed out and mailed, or filled out digitally and emailed. If you are emailing the form, please send it to mwill119@aum.edu. The mailing address is below. Please make sure your school name appears somewhere on your check.

Ms. Michelle Williams
Goodwyn Hall 213
Department of Mathematics and Computer Science
Auburn University Montgomery
P O Box 244023
Montgomery, AL 36124-4023

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

TESTING AND GRADING PROCEDURES.

On February 23, 2019, each student will report to their school's registered Testing Site 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. Calculators are NOT allowed. Smart watches MUST be removed.
- 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. In most cases, (E) will be none of these, and should be considered a possible answer choice. Proctors

at each Testing Site will provide an answer sheet for each student. The answer sheets will be computer scored during the following week at The University of Alabama at Birmingham.

1st Round: February 23, 2019 at your Testing Site

DISTRICT	COUNTIES	TESTING SITE	ON SITE CONTACT
I	Colbert, Cullman, Franklin, Lauderdale, Lawrence, Limestone, Morgan, Winston	Wallace State Community College	Krystal Davis 256-352-8164 krystal.davis@wallacestate.edu
II	Blount, Jackson, Marshall, Madison	University of Alabama Huntsville	Shelley Lenahan 256-824-6470 lenahas@uah.edu
III	Bibb, Fayette, Greene, Hale, Lamar, Marengo, Marion, Pickens, Perry, Sumter, Tuscaloosa	The University of Alabama	Kabe Moen kabe.moen@ua.edu 205-348-1979
IV	Chilton, Jefferson, Shelby, Walker	Samford University	Frank Patane 205-726-4581 fpatane@samford.edu
V	Calhoun, Cherokee, Clay, Cleburne, Dekalb, Etowah, St. Clair, Randolph, Talladega	Jacksonville State University	Jeff Dodd 256-782-5112 jdodd@jsu.edu
VI	Autauga, Barbour, Bullock, Chambers, Coosa, Dallas, Elmore, Lee, Lowndes, Macon, Montgomery, Russell, Tallapoosa, Wilcox	Auburn University Montgomery	Mosisa Aga 334-244-3335 maga@aum.edu
VII	Bladwin, Choctaw, Clarke, Escambia, Mobile, Monroe, Washington	University of South Alabama	Gayan Abeynanda 251-460-6756 gsabeynanda@southalabama.edu
VIII	Butler, Coffee, Conecuh, Covington, Crenshaw, Dale, Geneva, Henry, Houston, Pike	Troy University	Kenneth Roblee 334-670-3406 kroblee@troy.edu

SECOND ROUND COMPETITION.

Second round competition will be held on April 6. 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 at Birmingham on April 6, 2019. While only teams competing in the Comprehensive competition in the first round can qualify for the ciphering tournament, qualifying schools can bring any students to ciphering, regardless of whether they took the comprehensive exam or not. For further information about the second round, contact the contest director at alstatemathcontest@gmail.com or see the contest web site (www.una.edu/math/mathcontest) for a copy of the ciphering rules.

2nd Round: April 6, 2019 at The University of Alabama at Birmingham

RESULTS.

Detailed results of the contest will be compiled and emailed to each participating school following each round of the competition. A summary of the results will be 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 (www.una.edu/math/mathcontest) or email your question to alstatemathcontest@gmail.com.

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School Enrollment Form

Please complete the entire form below. Only one form is needed per school.

School Name: _____

County: _____ District (See Page 3): _____

School Address: _____ City: _____

Zip Code: _____ Name of Team Sponsor: _____

Email: _____ Phone: _____

What time is the best for us to reach you by phone? _____

Check One Division: See Page 1 for more information

Division 1

_____ Public 7A

_____ Private

_____ Academic Magnet School

Division 2

_____ Public 6A or 5A

_____ Private

_____ Middle School

Division 3

_____ Public 4A, 3A, 2A or 1A

_____ Middle School

Choose One Testing Location

Your competition district is determined by your county. However, your school may choose to take the exam in a location which is closer or more convenient. **This will be where you report to on February 23.**

- _____ Wallace State Community College
- _____ University of Alabama Huntsville
- _____ The University of Alabama
- _____ Samford University
- _____ Jacksonville State University
- _____ Auburn University Montgomery
- _____ University of South Alabama
- _____ Troy University

Mail this form and registration fee
by February 6, 2019, to:

Ms. Michelle Williams
Goodwyn Hall 213
Dept. of Math and Computer Science
Auburn University at Montgomery
P O Box 244023
Montgomery, AL 36124-4023

Number of Geometry _____ x \$5.00 = _____
Number of Alg. II with Trig. _____ x \$5.00 = _____
Number of Comprehensive _____ x \$5.00 = _____
School fee = \$10.00
TOTAL = _____

If you are registering near the
deadline, please also email a copy of
this form to mwill119@aum.edu.

Make Checks Payable to: Alabama Council
of Teachers of Mathematics