



# ALABAMA

## STATEWIDE MATHEMATICS CONTEST



sponsored by

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

**1st Round:** February 25, 2017

**2nd Round:** April 8, 2017

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 North Alabama. Copies of previous written tests and ciphering questions can be obtained from the contest web site, [www.una.edu/math/mathcontest](http://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 8.** 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 [mbowie@una.edu](mailto:mbowie@una.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 13. 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 Dr. Miranda Bowie at [mbowie@una.edu](mailto:mbowie@una.edu). The mailing address is below. Please make sure your school name appears somewhere on your check.

Dr. Miranda Bowie  
UNA BOX 5051  
The University of North Alabama  
Florence, AL 35632

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

#### TESTING AND GRADING PROCEDURES.

On February 25, 2017, 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 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. 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 North Alabama.

**1st Round:** February 25, 2017 at your Testing Site

DISTRICT	COUNTIES	TESTING SITE	ON SITE CONTACT
I	Colbert, Cullman, Franklin, Lauderdale, Lawrence, Limestone, Morgan, Winston	Wallace State Community College	Dana Adams 256-352-8396 dana.adams@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	Emily Hynds (205) 726-2034 eahynds@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	Scott Brown 334-244-3862 sbrown7@mail.aum.edu
VII	Bladwin, Choctaw, Clarke, Escambia, Mobile, Monroe, Washington	University of South Alabama	Audi Byrne 251-460-7256 abyrne@southalabama.edu
VIII	Butler, Coffee, Conecuh, Covington, Crenshaw, Dale, Geneva, Henry, Houston, Pike	Troy University	Abby Carter 334-808-6628 amcarter@troy.edu

## SECOND ROUND COMPETITION.

Second round competition will be held on April 8 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 North Alabama on April 8, 2017. For further information about the second round, contact the Contest Director or see the contest web site ([www.una.edu/math/mathcontest](http://www.una.edu/math/mathcontest))

**2nd Round:** April 8, 2017 at The University of North Alabama

## 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](http://www.una.edu/math/mathcontest)) or contact

Dr. Miranda Bowie  
Department of Mathematics  
The University of North Alabama  
(256) 765-4255  
[mbowie@una.edu](mailto:mbowie@una.edu)

Dr. Ashley Johnson  
Department of Mathematics  
The University of North Alabama  
(256) 765-4182  
[ajohnson18@una.edu](mailto:ajohnson18@una.edu)



# ALABAMA

STATEWIDE MATHEMATICS CONTEST



## 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 25.**

- \_\_\_\_\_ 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  
by February 8, 2017, to:**

Dr. Miranda Bowie  
UNA BOX 5051  
The University of North Alabama  
Florence, AL 35632

Number of Geometry \_\_\_\_\_ x \$5.00 = \_\_\_\_\_  
Number of Alg. II with Trig. \_\_\_\_\_ x \$5.00 = \_\_\_\_\_  
Number of Comprehensive \_\_\_\_\_ x \$5.00 = \_\_\_\_\_

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

School fee = \$10.00

TOTAL = \_\_\_\_\_

**Make Checks Payable to:** Alabama Council of Teachers of Mathematics