
Sixty-Fourth Annual
STATEWIDE
HIGH SCHOOL
MATHEMATICS CONTEST
TUESDAY APRIL 5, 2022



Sponsored by the
TENNESSEE MATHEMATICS
TEACHERS' ASSOCIATION

HISTORY AND PURPOSE OF CONTEST

Prior to 1957 several independent (and limited) contests in high school mathematics were held in various localities in Tennessee. The Tennessee Mathematics Teachers' Association effected a merger of these contests in 1957 and began to sponsor a contest open to all public, private, and parochial high schools in Tennessee. This association is happy to conduct a statewide contest each year as one of its major projects.

The major purposes of the contest are (1) to stimulate interest in mathematics by encouraging more students to include mathematics in their programs of study and, thereby, to raise the level of mathematics competence in Tennessee; and (2) to honor those students who are outstanding in their knowledge of mathematics through appropriate public recognition in their schools and their communities.

The contest is conducted as an academic festival where students represent their school in competition with others at a nearby Testing Center. These specially selected school representatives compete with others for preeminence in their region and in the state.

ENROLLMENT OF SCHOOLS

Each school desiring to enter students in the contest should designate one person (principal or teacher of mathematics) as official Contest Supervisor. This Contest Supervisor shall be responsible for completing the official School Enrollment form and for conducting all necessary correspondence with the Center Chair.

The school enrollment form appears as a separate section of this announcement. It should be filled in completely and mailed to the appropriate Center Chair by **March 21, 2022**. To be assured of a place in the Contest, the application must be in by this deadline.

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

CONTEST ELIGIBILITY

There are six divisions in the Contest:	
<i>Algebra I / Integrated I</i>	<i>Statistics</i>
<i>Geometry / Integrated II</i>	<i>Pre-calculus</i>
<i>Algebra II / Integrated III</i>	<i>Calculus and Advanced Topics</i>
A student may compete in only <u>one</u> division.	

TESTING AND GRADING PROCEDURE

The contest is open only to students who have been enrolled in a mathematics course during the current academic year. Each contestant must compete in the division corresponding to the course in which they are enrolled at the time of the exam. Contestants not currently enrolled in a course (due to block scheduling, for example) must compete in the division corresponding to the course in which they were most recently enrolled.

A student may not take Pre-calculus after having taken the Calculus and Advanced Topics exam. The Calculus and Advanced Topics exam may be repeated (unlimited). No other test may be repeated.

Integrated Core I students are eligible to take the Algebra I exam.
Integrated Core II students are eligible to take the Geometry exam.
Integrated Core III students are eligible to take the Algebra II exam.

Junior high and middle school students are eligible to compete if they satisfy the enrollment requirement.

The contest supervisor must contact the local Center Chair prior to registration for rulings on eligibility. Additional details are available at the FAQ page at <https://tmta.wildapricot.org/>.

SELECTION OF CONTESTANTS

The method of selection and preparation of contestants is left to each individual school. Each Contest Supervisor is urged, however, to conduct special examinations for the selection of the contestants who will represent the school at a Testing Center. These exams should be open to all eligible students who wish to compete. This procedure greatly increases the stimulating effects sought as one objective of the Contest.

CONTESTANT FEES

A fee of \$5.00 will be charged for each contestant who competes at a Testing Center.

PAYMENT OF THE ENTRANCE FEES WILL BE DUE THE DAY OF THE CONTEST, April 5, 2022 AT THE TESTING CENTER.

Please make checks payable to **TMTA**.

Contest Supervisors are requested to seek payment of fees from general school funds. Payment of entrance fees to the Center Chair in advance is encouraged where feasible.

Each school participating in the contest will be assigned by the Regional Chair to a Testing Center where its students will compete. The Contest Supervisor will be notified as to the time and particular room at the Testing Center where each contestant is to report.

Schools and/or individuals may compete only at the Testing Center to which assigned.

The Contest will be conducted as one continuous test of 80 minutes.

No contestant may bring any material into the testing room other than a pencil, compass, ruler, and calculator. Calculators are allowed in all divisions in the contest. Any calculator capable of symbolic manipulation is prohibited. Any calculator allowed on the ACT Math exam is acceptable. Refer to the ACT calculator rules for more details on specific models.

Each test will consist of problems or questions to which five multiple choice answers are given. Each contestant will be allowed to keep their copy of the examination booklet without charge. Additional copies are available for **\$2.00** each while supplies last.

The Chair of each Testing Center will supervise the grading of papers of all students competing at the Center and will forward the Regional Chair the papers of the **top ten contestants** in each division.

The Regional Chair will supervise the re-grading of all papers received from the Testing Centers in the region and will forward the Examinations Director the papers of the **top ten contestants** in each division from the region.

The Examinations Director will supervise the re-grading of all papers received from the Regional Chairs.

The Contest Committee is the final judge of all grading and awards. Decisions of the Committee are final.

TESTING AREAS

EAST TENNESSEE

Regional Chair – Kim Nunn, Northeast State Community College, Blountville, TN
 Email: kpnunn@northeaststate.edu

Host College and Location

<u>Host College and Location</u>	<u>Chair</u>
Northeast State Community College, Blountville	Teresa Gardner
Carson-Newman University, Jefferson City.....	Henry Suters
Roane State Community College, Harriman.....	Jessica Chambers
Roane State Community College, Oak Ridge.....	Stefanie Holmes
Maryville College, Maryville.....	Dan Ross
Tennessee Wesleyan University, Athens.....	David Ashe
University of Tennessee, Chattanooga.....	Meg Kiessling
Tusculum College, Greeneville.....	Wei Hu

MIDDLE TENNESSEE

Regional Chair – Sarah Bleiler-Baxter, Middle Tennessee State University,
 Murfreesboro
 Email: Sarah.Bleiler@mtsu.edu

Host College and Location

<u>Host College and Location</u>	<u>Chair</u>
Volunteer State Community College, Gallatin	Shelley Fenton
Lipscomb University, Nashville.....	Amy Nelson
Middle TN State University, Murfreesboro.....	Dovie Kimmins
The University of Tennessee Southern, Pulaski.....	Jennifer Aust
Austin Peay State University, Clarksville.....	Jennifer Yantz
Tennessee Technological University, Cookeville.....	Yung-Way Liu
Cumberland University.....	Laurie Dishman

WEST TENNESSEE

Regional Chair – Brian Wagner, University of Tennessee at Martin, Martin, TN
 Email: bwagner@utm.edu

Host College and Location

<u>Host College and Location</u>	<u>Chair</u>
Dyersburg State Community College, Dyersburg.....	Devalyn Reynolds
Freed-Hardeman University, Henderson.....	Mike Johnson
University of Tennessee at Martin.....	Robert Niedzialomski
University of Memphis, Memphis	Alistair Windsor

Contest Committee

Statewide Contest Coordinator – Rebecca Darrough, Austin Peay State
 University, Clarksville, TN
Examinations Director – David Ray, University of Tennessee, Martin, TN

Maximum Number of Contestants Permitted at Testing Centers			
Number Enrolled in Course	Algebra I or Int I	Geometry or Int II	Algebra II or Int III
1-25	4	4	4
26-50	4	4	4
51-75	5	5	5
76-100	5	5	5
101-125	6	6	6
126-150	6	6	6
151-175	7	7	7
176-200	7	7	7
201-250	8	8	8
251-300	9	9	9
301-350	10	10	10
351-400	11	11	11
401-450+	12	12	12

Maximum Number of Contestants Permitted at Testing Centers			
Number Enrolled in Course	Statistics	Pre-calculus	Calculus & Adv Topics
1-25	4	4	6
26-50	5	5	8
51-75	6	6	9
76-100	7	7	11
101-125	8	8	12
126-150	9	9	14
151-175	10	10	15
176-200	11	11	17
201-250	11	11	17
251-300	11	11	17
301-350	11	11	17
351-400	11	11	17
401-450+	11	11	17

AWARDS

For superior performances, awards shall be presented as follows:

1. **Certificates of Participation** - To be given to each person who takes part in the contest.
2. **Certificates of Merit** - To be awarded to first, second, and third place winners in each testing center in each division of the contest.
3. **Certificates of Distinction** - To be awarded to first, second, and third place winners in each region in each division of the contest.
4. **Certificates of Achievement** - To be awarded to the remainder of the top ten winners in each region in each division of the contest.
5. **Engraved Plaques** - To be awarded to the first, second, and third place winners in the final state competition in each division of the contest.
6. **Certificates of Excellence** - To be awarded to the remainder of the top ten winners in the final state competition in each division of the contest.
7. **Engraved Plaques** - To be awarded to the schools of the first, second, and third place winners in the final state competition in each division of the competition.
8. A **\$125.00 check** will be awarded to the first-place winners in the Statistics, Pre-calculus, and Calculus and Advanced Topics Divisions.
9. A **\$100.00 check** will be awarded to the first-place winners in the Algebra I / Integrated I, Geometry / Integrated II, and Algebra II / Integrated III Divisions.
10. In case of a tie, a final determination of awards will be made by the Contest Committee.

PRESENTATION OF AWARDS

It shall be the responsibility of each Center Chair to see that the appropriate awards are presented to the winners at their center and to the regional winners from their center. All winners should be recognized on some special occasion at the winner's school such as honors day.

CONTEST RESULTS

State Contest results will be published annually in the fall edition of the **TMTA Bulletin** and posted on the TMTA website at <https://tmta.wildapricot.org/>. Persons desiring to receive these results are encouraged to become a member of TMTA by mailing \$10.00 annual dues to: **Stephanie Kolitsch**, UT Martin, 424A Humanities, Martin TN 38238.

2023 TENTATIVE CONTEST DATE
April 4, 2023