

THE ARIZONA ASSOCIATION OF TEACHERS OF MATHEMATICS

The contest is an excellent way to stimulate interest in mathematics and at the same time make scholarships and awards available to deserving students. In past years the AATM scholarships totaled \$5000. As with years past, the test will attempt to align with the AP and national tests by allowing all types of calculators (scientific or graphing... the exception will be programmable calculators with QWERTY type keyboards e.g. TI 92 . Also excluded is the TI 89, **because** of the many built in features.).

DATE: The test is administered in the late February or early March, during any two consecutive morning class periods but not to exceed 90 minutes. Each participating school will administer the test for their own pupils.

PARTICIPATION: Any interested student may participate in the contest by paying the nominal entry fee. However, the student must be registered in the school district administering the test. This is consistent with AIA.

Note: Even this small contest fee may be a hardship to some students. It is hoped that your department will be aware of a way to provide this fee in such cases.

DIVISION: Participating schools will be divided accordingly:

Junior High Schools - The AIA has ruled that only ninth grade students are eligible in the junior high. Eighth grade students and younger are **not** eligible.

Division A: Junior high schools having an enrollment of 1000 or more students and/or AIA classification.

Division B: Junior high schools having an enrollment of less than 1000 students and/or AIA classification.

High Schools

Division A: High schools offering a full complement of mathematics classes. This would include a formal class in AP Calculus.

Division B: High schools which typically due to enrollment are not able to offer a formal class of AP Calculus.

LEVELS: Five levels have been established. Students will compete at the level which corresponds to their current mathematics enrollment, subject to the considerations listed below:

Level I: Students who, at the date of the contest, are enrolled in the college preparatory mathematics course that is normally offered at the ninth grade level. (First year college prep math: Algebra I)

Level II: Students who, at the date of the contest, are enrolled in the college preparatory mathematics course that is normally offered at the 10th grade level. For example, students who have taken Algebra during eighth grade and are taking Geometry during the ninth grade will compete at Level II. (Second year college prep math: Algebra II or Geometry.)

Level III: Students who, at the date of the contest, are enrolled in the college preparatory mathematics course that is normally offered at the 11th grade level. (Third year college prep math.)

Level IV: Students who, at the date of the contest, are enrolled in the college preparatory mathematics course normally offered at the 12th grade level. (Fourth year college prep math.)

Level V: Students who, at the date of the contest, are enrolled in the college preparatory mathematics course offered at the 12th grade level or beyond. (Fifth year college prep math. This is typically calculus)

SPECIAL CONSIDERATIONS:

1. Any student who is taking two courses concurrently will compete at the lower level unless he chooses to compete at the higher one.
2. A student not currently enrolled in mathematics will compete at the level of the last course taken. A student enrolled in Geometry who has completed Intermediate Algebra will compete at Level III.

NOTE: Any student not competing at the level indicated by the contest rules will be ineligible for any prizes or recognition.

PRIZES: Medals will be given to the top 50 scorers. Additionally, plaques will be awarded at each level in division A and B. Scholarships will be given to persons selected from the top senior scorers. Need will be considered in the choosing of the recipients. The amount of the scholarship will be determined by the amount of the net proceeds.

TEST: The test will be of the multiple choice type. Working time will be 90 minutes and will be machine scored.

CERTIFICATES:

1. State certificates will be awarded to the top ten percent of the participants at each level in each division.
2. School certificates will be sent to participating schools to be awarded in the name of the school in a manner decided upon by the mathematics department of the school. The number of these certificates will be ten percent of the number of participating students.
3. Plaques will be sent to the school having the top scorer at each level of each division.
4. Plaques and/or medallions will be awarded to the top students in each level and division. The number will be based on the total number of students competing at each level and division. (Note change from previous years.)

CONTEST CHAIRMAN: Each participating school must designate a contest chairman. The chairman will be responsible for collecting the entry fee from interested students and for administering the test in his school. Detailed instructions concerning the administration of the contest will be sent with the test. You will receive materials approximately one week before the test date.

Please feel free to call or write if you have any questions regarding the contest. Calls to Marcos de Niza High will be returned after 4:00; or call Ed Anderson at (480) 831-0474 evenings.

If your district has new junior highs or high schools that may not be on our mailing list, please share this information with them.

Thank you for your cooperation.

Ed Anderson
Contest Coordinator
Marcos de Niza High School
6000 S. Lakeshore Drive
Tempe, Arizona 85283-3049

If you wish a copy of last years test and answers, please call or write.

E-Mail eanderson@tuhsd.k12.az.us
Voice Mail (480) 730-7690