MAML 2023 – State Meet Rules

I.   **Medium and Small School Teams.**
1.   Small School – Number of students in 10th, 11th, 12th is less than 450.
2.   Medium School – Number of students in 10th, 11th, 12th is greater than 450 and less than 850.
3.   Six students to compete for each school.
   a.   Maximum of 3 seniors.
   b.   Maximum of *5* juniors and seniors combined.
2.   Each student will participate in three categories.
3.   Three students from each school will participate in each of the six categories.
4.   There will be a seventh category, TEAM ROUND. All six students participate.

II.   **Large Schools**
1.   Number of students in 10th, 11th, 12th grade is greater than 850 students)
2.   Eight students to compete for each school.
   a.   Maximum of 3 seniors.
   b.   Maximum of 6 juniors and seniors combined.
3.   Each student participates in 3 categories.
3.   Four students from each school will participate in each of the six categories.
4.   There will be a seventh category, TEAM ROUND. All eight students participate.

III.   A team selected for (M) or (S) competition may elect to participate in a higher class provided no team in its own league has a higher standing in that category and has not been invited to participate. An (L) team must participate in class (L).

IV.   Categories

1.   Arithmetic (open), Elementary Number Theory.
2.   Algebra (open, but restricted to real numbers and no transcendental functions).
3.   Geometry (open, Plane, Synthetic).
4.   Algebra (Logs, Exponential Functions, Algebraic Functions).
5.   Analytic Geometry (open).
6.   Trigonometry and Complex Numbers.
7.   Team (restricted to courses which cover topics in Rounds 1-6).

V.   Each individual round will contain 3 questions worth 1 point, 2 points, and 3 points. Ten minutes for each category

VI.   TEAM ROUND: 12 minutes. There will be six questions asked on the topics named. The total number of points for the team round will be 24 points for class (L) and 18 points for class (M) or (S).

VII. There will team awards for each class. In addition, each individual on these winning teams will receive awards. High Scoring Students for the meet will receive awards at the conclusion of the meet. The team awards may be distributed either at the conclusion of the meet or at a later date to be decided.

VIII. Students must be informed that they are to stay in the area designated for them or lose their chance to compete.

IX.   The selection of the teams for the New England Math Team Competition will be based upon the performance at the State Tournament. At least, four Large schools, three Medium schools, and two Small schools will be selected to represent Massachusetts in the New England Tournament. The overall league champion from every league is automatically invited to attend the New England Meet. In the event the overall champion does not compete, the runner-up may replace that team in order to insure each league at least one representative to the New England Meet. The New England Meet will be held on Friday, April 28th, 2023 at SHREWSBURY High School.

X.   If anyone has questions regarding the competition, please contact Michael Curry.

XI.

XII. The meeting of all advisors and contestants will begin promptly at the time designated (3:00 PM sharp).

XIII. This year the individual team roster is included and should be filled out prior to your arrival. Students should be listed by classes, seniors first, etc. We will collect these at the meeting. An example of a team roster is included in the packet.

XIV. A sheet pertaining to information about the team and advisor should be filled out and turned in at the meeting.

XV.   Be sure to show the information sheet enclosed regarding this competition to every student.

XVI. **NO USE OF CALCULATORS WILL BE ALLOWED.**

XVII. **NO POSTGRADUATES ARE ELIGIBLE TO PARTICIPATE IN THE STATE MATH TEAM COMPETITION.**

XVIII. **DURING THE COMPETITION, NO COACH IS TO HAVE CONTACT WITH HIS OR HER STUDENTS EXCEPT IN CASE OF AN EMERGENCY.**