

MIDDLE GEORGIA STATE UNIVERSITY MATH OLYMPICS

The math faculty of Middle Georgia State University invites your high school students to participate in our 39th Math Olympics, to be held on our campus **Friday, March 8, 2019**. The tournament will be held in the PSC Ballroom on our Macon Campus. All participants should report to the lobby of the Jones Building (directly in front of the PSC) by 8:30 am.

The competition comprises two levels: Varsity (students currently enrolled in Algebra III, Pre-Calculus, Trigonometry or Calculus); and Junior Varsity (students currently enrolled in Geometry or Algebra II). Schools may bring more than one varsity team, but space considerations limit each school to just one or two junior varsity teams. Each team consists of four students. At the varsity level, the competition will consist of two parts: an individual written test in the morning and a team problem solving competition in the afternoon. Junior varsity teams compete on a written test only.

The morning session consists of separate 50 multiple-choice question tests taken individually by varsity and JV participants. Graphing or scientific calculators are allowed during the two written sessions (but not in the afternoon team session). In addition to their calculators, participants should bring several #2 pencils, as the answers must be entered on a Scantron form. Each question answered correctly is worth 1 point, so a maximum of 200 points could be scored by a team in this session.

Following lunch, varsity teams participate in the 12-round ciphering contest. Coaches will divide each 4-person team into two pairs of students, with each pair answering six questions. If a team submits the correct answer within the 4-minute time limit, it earns 10 points; answers submitted within the first 2 minutes earn 20 points. Hence, 240 possible points can be scored by a team in ciphering.

There will be two divisions for the competition:

Division I: all public 5A, 6A, and 7A, all Magnet schools and private schools which compete in GHSA

Division II: all schools not in Division I

Team winners will be chosen based on their total score out of a maximum 440 points, 200 points for the written test and 240 points for the ciphering competition. Participants who earn top scores on the written test will earn individual awards, and a team award will be given to the JV team with the highest total on the test. We will also have the usual door-prize drawing right after the ciphering session, and each participant, varsity or JV, will also receive a 2019 Math Olympics T-shirt. Door prize winners must be present.

The entry fees will be \$55.00 per varsity team and \$35.00 for a junior varsity team to cover the prices for T-shirts, trophies, and door prizes.

We are going to continue with the online process for registration. Those of you who participated last year already have electronic Dropbox accounts set up. Blank roster forms are posted there, and you can go online to complete them. This will enable you to make roster changes up until Feb 22, two weeks before the tournament. Your school's individual test scores and team composite scores will also be posted to your account following the tournament.

If you have not previously participated, please contact us via e-mail and we will send you instructions on how to access your Dropbox account. If you did participate last year but have forgotten how to access the account, let us know via e-mail as well. Of course you'll still need to mail a check for the entry fee, and we would like them to arrive **NO LATER THAN February 8th, 2019**. Space is limited and we're getting inquiries from several new teams this year, so we may have to limit participation as we did in last year. Entries will only be confirmed once we receive your check. We believe online registration will be easier for everybody, but if you are uncertain about using it, you may instead mail in the entry form.

Make checks payable to Middle Georgia State University. **ENTRIES SHOULD BE RECEIVED NO LATER THAN Feb. 8, 2019.**

Return to:

Prof. Lily Wang
Department of Mathematics
Middle Georgia State University
100 University Parkway
Macon GA 31206-5144

If you have any questions, please feel free to call us at 471-2749. Or better yet, e-mail questions to me at lily.wang@mga.edu. We look forward to seeing you on March 8th!

Sincerely,

Lily Wang, Ph.D.
Math Olympics Director
Middle Georgia State University