

1154-VG-876      **Hansun To\*** (hto1@worchester.edu), 486 Chandler Street, Worcester, MA 01602, and **Maria Fung** (mfung@worchester.edu), 486 Chandler Street, Worcester, MA 01602. *Worcester State Math Academy Circle Project 2019-2020*. Preliminary report.

This a project under the Dolciani Mathematics Enrichment Grants (DMEG) of the MAA program. We have a Saturday Math Circle (Worcester State Math Academy Circle) for talented high school students from Worcester, MASS. We meet on Saturday mornings from November to February for a total of 10 sessions. We have recruited a group of 20 students from Worcester Public High Schools who are interested in improving their problem-solving skills, while working on topics that are not part of the standard secondary mathematics curriculum. We prepare the participants and administer the AMC 10 and AMC 12 competitions in February 2020. Once the competitions are done, we concentrate on problem solving sessions as an introduction to mathematical research. The project targets communication of mathematics skills and proficiency in problem-solving. This project supports participants to strengthen their mathematical abilities and eventually contribute to the mathematics college community. We will be discussing the progress of this program during this talk. (Received September 11, 2019)