60th Annual Michigan Mathematics Prize Competition

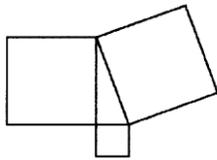## Part I: Tuesday, October 11, 2016
Part II: Wednesday. December 7, 2016
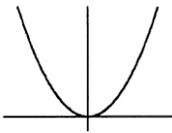
$$\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

THE EXAMINATION. The examination is based on the subject matter of the high school mathematics curriculum. The first part is a multiple-choice examination of the contestant's general mathematics background. The second part is a written test designed to measure the student's ingenuity.

$1, 1, 2, 3, 5, 8, 13,$
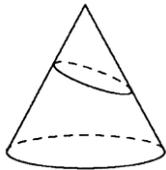$21, 34, 55, 89, \ldots$

PURPOSE. The statewide mathematics competition is intended to promote interest in mathematics and to identify and recognize those students who possess strong mathematical ability.
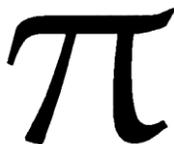
AWARDS. The scores on Parts I and II are combined to determine the prize winners. Scholarships will be awarded to the top fifty students. These awards are held in escrow and are forwarded to the colleges in which the winners enroll. Scholarships are restricted to undergraduate education and must be used within five years of winning.

ELIGIBILITY. All Michigan high school students are eligible to enter the competition. Contestants must not have received a high school diploma. Younger students may also enter the competition through a cooperating high school. A registration fee of $4 is assessed for each contestant.

PROCEDURE. Part I of the examination will be given in the high school of the contestant during a 100 minute session between 9 am and 11 am or within any two consecutive class periods the morning of **Tuesday October 11, 2016.** The top thousand students in Part I will be invited to participate in Part II in their high schools on **Wednesday, December 7, 2016**. Each high school will complete the registration form on-line and submit the registration fee to the Director, postmarked by Tuesday, September 27, 2016.

COLLEGE SCHOLARSHIPS. Superior performance in this competition is valuable to students who seek admission or scholarship support at colleges and universities. Many institutions of higher education in Michigan receive a list of finalists for the competition to assist them in awarding scholarships. Students are responsible for submitting applications for admission and scholarships to the colleges of their choice. Check with the college admissions offices and high school counselors for deadlines on scholarship applications.

Co-Directors:

Kim Rescorla & Carla Tayen
Department of Mathematics
Eastern Michigan University
Ypsilanti, MI 48197
Phone: 734-487-1444
e-mail: mmpcdirector@gmail.com

MMPC Web site:
emich.edu/math/mmpc

Examination Committee:

Eddie Cheng
Oakland University

Michael (Cap) Khoury
Lawrence Technological University

David Friday
Macomb Community College

Dorin Dumitrascu
Adrian College

Sponsored by the Michigan Section of the Mathematical Association of America.

Supported by Michigan colleges and universities. Foundations, industries, and the Michigan Council of Teachers of Mathematics.

Approved as a school activity by the Michigan Association of Secondary School Principals