

# 45th Annual Michigan Mathematics Prize Competition

Part I: October 10, 2001

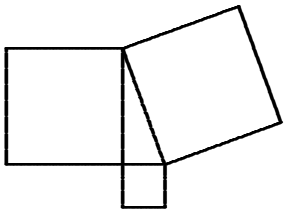
Part II: December 5, 2001

$$\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

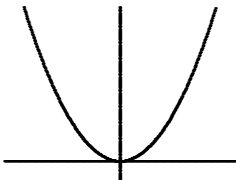
**THE EXAMINATION.** The examination is based on the subject matter of the high school mathematics curriculum. The first part is a multiple-choice examination of the contestant's general mathematics background. The second part is a written test designed to measure the student's mathematical ingenuity.

1, 1, 2, 3, 5, 8, 13,  
21, 34, 55, 89, . . .

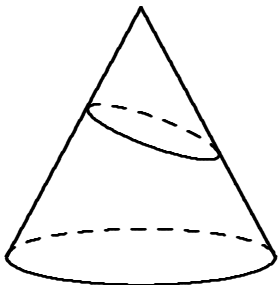
**PURPOSE.** This statewide mathematics competition is intended to promote interest in mathematics and to identify and recognize those students who possess strong mathematical ability.



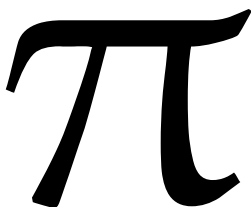
**AWARDS.** The scores on Parts I and II are combined to determine the prize winners. Last year \$30,000 in scholarships, ranging from \$450 to \$2,500, were awarded to the top fifty students. These awards are held in escrow and are forwarded to the colleges in which the winners enroll. Scholarships 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 \$2 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 Wednesday, October 10, 2001. The top thousand students in Part I will be invited to participate in Part II in their high schools on Wednesday, December 5, 2001. Students wishing to enter the competition must register in their high schools. Each high school will complete the registration form and submit it to the Director, postmarked by September 14, 2001.



**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.

**Director:**

Robert Messer  
Department of Mathematics  
Albion College  
Albion, Michigan 49224-5013  
phone: 517-629-0301  
e-mail: ram@albion.edu

**MMPC Web page:**

<http://www.albion.edu/math/mmpc/>

**Examination Committee:**

Philip Hanlon, chair  
University of Michigan

William Sledd  
Michigan State University

Edward Aboufadel  
Grand Valley State University

Eddie Cheng  
Oakland University

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Mathematics.

Approved as a school activity by  
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Secondary School Principals.