

# *Indiana State Mathematics Contest – April 30, 2011*

Dear Mathematics Teacher and Coordinators:

The Indiana Council of Teachers of Mathematics is pleased to inform you that the 2010 Indiana State Mathematics Contest will be held on **Saturday, April 30, 2011.**

This annual contest is sponsored by the Indiana Council of Teachers of Mathematics (ICTM) and governed by policies approved by ICTM. This contest has been approved by the Division of School Activities, Indiana Association of School Principals. For more information or to be added to the mailing list, please contact a local site coordinator. We hope that you will encourage your students to participate in the 2011 contest.

## *Categories, Format and Content*

There are **five mathematics problem-solving tests**. Each contains 28 to 40 multiple-choice questions; 90 minutes are allowed for students to work with the test. The categories are: Pre-Algebra, Algebra First Course/Integrated Math I, Geometry/Integrated Math II, Algebra Second Course/Integrated Math III, and Comprehensive. Questions for the first four categories may be related to the content identified in the Indiana Mathematics Proficiency Guide, the Core 40 Math competencies in the obvious ways, or included in State-approved textbooks. The content of the Comprehensive category is drawn from pre-calculus mathematics including trigonometry, finite mathematics, simple linear algebra, probability, statistics, and analytic geometry.

## *Participants*

The contest is open to any Middle School, Junior High School or Senior School student in the State of Indiana. Participation on the part of any interested student is encouraged; there is no limit to the number of participants from any school. A participant may take only one test each year.

- Participants in the **Pre-Algebra** category are limited to Middle School and Junior High School students who have not yet enrolled in Algebra or an integrated high school mathematics course;
- Students who are enrolled in either an Algebra First Course or Integrated Mathematics first course will register for the **Algebra I/Integrated Math I** test;
- Students enrolled in Geometry or Integrated Mathematics II will register for the **Geometry/Integrated Math II** test; and,
- Students enrolled in either Algebra Second Course or Integrated Mathematics III will register for the **Algebra II/Integrated Math III** test.

**Students can participate only one time in each of the Algebra I First Course/Integrated Math I, Geometry/Integrated Math II, or Algebra II/Integrated Math III categories.** Students can participate in the Pre-Algebra and Comprehensive categories more than once.

## ***Registration, Certification and Fees***

There is a non-refundable \$4.00 participant fee for each student. Participants must be registered by their school, and the school must certify that the participants are currently enrolled in courses appropriate for the category. No special certification is required for the Comprehensive category.

Please complete the online forms (which will become active after January 1, 2011) and then mail the fees to the appropriate local site coordinator where your students plan to attend the contest **by April 9, 2011. CHECKS SHOULD BE MADE PAYABLE TO ICTM. Your registration is not complete until all fees have been received by the appropriate local site coordinator.**

For more information please contact:

Dr. Elizabeth Brown,  
Indiana State University  
Indiana State math Competition Coordinator

**Indiana State University**  
**Center for Mathematics Education**  
200 N. 7th Street  
Terre Haute, IN 47809  
(812)237-3423

[ebrown18@isugw.indstate.edu](mailto:ebrown18@isugw.indstate.edu)

## ***Calculators, Cell Phones and Pagers***

**Cell Phones and Pagers must be turned off during the test.** All tests are written with the assumption that each student has a scientific calculator available for use. Participants must provide their own calculators. A calculator may be used, but the TI-89 or above will **not** be acceptable, **nor** will any HP equivalents (HP 48G or HP 49G or any variations of those with those initial codes). However, a common scientific calculator with memory and pre-calculus functions should be sufficient.

## ***Sponsors and Transportation***

A sponsor designated by their school must accompany participants. Transportation to and from the contest is the responsibility of the school and participant.

## ***Special Needs***

Participants that require any special needs must contact the local site coordinator at least one week in advance.

## ***Recognition and Awards***

Each participant will receive a Certificate of Participation. The top three students in each category at each site will also be honored. Each student who scores among the top 5% throughout the state will be designated an Outstanding Scholar and will receive both a medal and a certificate. A recognition ceremony for Outstanding Scholars and their teachers will be held sometime in June 2010, at the Indiana State House in Indianapolis (*North Atrium*). Outstanding Scholars will be notified in May of the time and location of the ceremony. A list of all Outstanding Scholars will be published by ICTM in the fall of 2010.

### **Contest Sites by City**

<b>Bloomington</b>	<b>Gary</b>	<b>Muncie</b>	<b>South Bend</b>
<b>Evansville</b>	<b>Indianapolis North</b> <b>Indianapolis Downtown</b>	<b>New Albany</b>	<b>Terre Haute</b>
<b>Fort Wayne</b>	<b>Kokomo</b>	<b>Richmond</b>	<b>West Lafayette</b>
			<b>Westville</b>

### **Contest Sites and Local Site Coordinators**

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