

ANNUAL UNIVERSITY OF NORTH CAROLINA WILMINGTON HIGH SCHOOL MATHEMATICS CONTEST

Dear Math Contest Supervisor:

The 2014 High School Mathematics Contest will be held on the UNC-W campus on **Tuesday, March 18, 2014**. We cordially invite you and your students to participate in this contest.

There will be one comprehensive, 80 minute, 30 question examination. The 30 problems will all be multiple choice with 5 possible answers. The contest will include questions on high school mathematics (algebra, plane geometry, trigonometry, and analysis) as well as mathematical reasoning and general mathematical knowledge. Calculus problems will not be included. It is not expected that all students will have studied all of these areas. The participating schools will be grouped into two divisions (large schools and small schools). Schools which have more limited student bodies and course offerings will be put into Division II to help equalize the competition. The 9% of students who will be eligible for the state contest in April will be selected from the top scorers overall after first ensuring that at least 1/4 of those eligible are from Division I and 1/4 are from Division II.

A few years ago, the North Carolina State High School Mathematics Contest Committee discontinued the use calculators in that contest. We followed suit for our contest. Therefore, the UNCW High Mathematics Contest does not allow calculators.

There is no limit on how many students may come from each school. However, only eight students from each school will be eligible for awards and eligible to attend the state math contest. There will be individual and team awards. A minimum of 4 students is required to be eligible for team awards. Each school may have one official team to compete for team awards. Your team score will be computed by totaling the four top scores of the first six students listed on the attached form. Other students attending the contest will be put on an unofficial team for your school

Please complete the enclosed enrollment form along with \$10.00 entrance fee (to cover lunch and materials) for each student you wish to send by March 6, 2014. If a student becomes ill or unable to attend, alternates are acceptable. Please advise us of the names of any alternates as early as possible.

Activities for the contest will begin at 9:30 A.M. and conclude around 2:30 P.M. Complete details and instructions will be mailed near the beginning of March.

We hope this will be a fun time for your students at UNCW. Campus tours will be available after lunch. We look forward to hearing from you, and we hope that you'll be with us on Tuesday, March 18.

Very truly yours,

John Karlof, Contest Director

Phone: 910-962-3384

E-MAIL: karlof@uncw.edu

Web page: <http://people.uncw.edu/karlof/>.

Enclosure

SCHOOL ENROLLMENT FORM FOR UNC-WILMINGTON HIGH SCHOOL
MATHEMATICS CONTEST
Tuesday, March 18, 2014

SCHOOL: _____

ADDRESS: _____

COUNTY: _____

PHONE NUMBER: _____

CONTEST SUPERVISOR: _____

YOUR EMAIL ADDRESS: _____

Number and names of students who plan to attend. (first eight listed will be eligible for awards and first six listed comprise your official school team).

- | | |
|----------|-----------|
| 1) _____ | 7) _____ |
| 2) _____ | 8) _____ |
| 3) _____ | 9) _____ |
| 4) _____ | 10) _____ |
| 5) _____ | 11) _____ |
| 6) _____ | 12) _____ |

_____ Total fees enclosed (\$10.00 per student). Make checks out to UNC Wilmington.

Information for determining your division

_____ Total number of students in your school in grades 10 - 12.

Sample questions you may wish to submit. (Use reverse side or separate sheet if necessary). Please mail by March 6, 2014.

MAIL TO: Dr. John Karlof
 Department of Mathematics and Statistics
 University of North Carolina Wilmington
 601 S. College Road
 Wilmington, NC 28403-5970