March 20, 1986

RE Annual High School Mathematics Examination

168 Iowa schools took part in the Thirty-Seventh Annual High School Mathematics Examination sponsored by the Mathematical Association of America, the Society of Actuaries, the Casualty Actuarial Society, the National Council of Teachers of Mathematics, Mu Alpha Theta, the American Statistical Association, and American Mathematical Association of two year colleges. Approximately 8,300 Iowa students took the exam along with over 400,000 students in the United States, Canada, Puerto Rico, Jamaica, Italy, the Virgin Islands, Guam, England, Hungary, Ireland, Luxembourg, Belgium and Australia.

The attached report lists the top 50 Iowa schools ranked by "teamscore" (sum of the scores of the school's top three students) for top-scoring participating schools.

The top five students, their parents, and teachers will be invited to spend a day in Des Moines as the guests of the Des Moines Actuaries Club. Prizes will be awarded followed by an afternoon of entertainment in Des Moines and a banquet that evening.

Undue importance should not be placed on the rankings on this test, since this is just one measure of performance. Credit for good work on this test can be given to many participants. Every participant this year took the same test as the top students in the nation. These students then participated in the American Invitational Mathematics Examination to qualify for this year's U.S. Mathematical Olympiad, the top eight of whom will represent the USA in the International Mathematical Olympiad this July.

Lillian Chen
Iowa Examination Coordinator

Attachment
### SUMMARY OF RESULTS OF

**1986 AMERICAN HIGH SCHOOL MATHEMATICS EXAMINATION**

**IOWA SECTION**

JOINTLY SPONSORED BY THE
MATHEMATICAL ASSOCIATION OF AMERICA
SOCIETY OF ACTUARIES * MU ALPHA THETA
AMERICAN STATISTICAL ASSOCIATION
NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS
AMERICAN MATHEMATICAL ASSOCIATION OF TWO YEAR COLLEGES
CASUALTY ACTUARIAL SOCIETY

SPONSORED IN IOWA BY THE
ACTUARIES CLUB OF DES MOINES

#### Iowa Students Scoring 100 Points Or More

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### Iowa Students Winning First Place For 4 Consecutive Years

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</table>
| 1    | Ames High School
Ames, IA 50010 | David Dobson
Vicky Gwiasda
Heather Dodd | 117   | 317        |
| 2    | Valley High School
West Des Moines, IA 50265 | Laurie Belin
Kathy Youngberg
John Boelte
Bennett Brown | 107   | 316        |
| 3    | City High School
Iowa City, IA 52240 | Joseph D. Ruth
Randall J. Rogers
Jeffery S. Hsu | 110   | 311        |
| 4    | Wahlert High School
Dubuque, IA 52001 | John O'Connell
Matt Frueh
Maria Rhomberg | 107   | 306        |
| 5    | Thomas Jefferson High School
Cedar Rapids, IA 52404 | Jake Wyatt
Darin Nelson
Todd Cronbaugh | 107   | 297        |
| 6    | Bettendorf High School
Bettendorf, IA 52722 | Jayson Curry
Colby Green
Jeffrey McCollum | 106   | 294        |
| 7    | West High School
Iowa City, IA 52240 | Rebecca Frankel
Phillip Swack
Tammy Mildenstein | 102   | 292        |
| 8    | East High School
Des Moines, IA 50316 | Richard Gates
Eirik Ackerman
Jeff Koll | 112   | 290        |
| 9    | Ankeny High School
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Kristine Kuhn
Emi Park | 101   | 282        |
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