The Fourteenth Annual High School Mathematics Tournament at the University of Iowa was held on Saturday, March 6, 2010 from 9 a.m. to 3:00 p.m. We think it was a wonderful event! The tournament received generous support from a host of units and individuals; without this support, the event would not be possible. We therefore want to begin by thanking those who contributed to its success: The Departments of Computer Science, Mathematics, and Statistics and Actuarial Science in the College of Liberal Arts and Sciences, and the office of the Provost. We particularly want to thank Professor Gary Fethke and Professor Carol Fethke, and Mrs. Catharine Wegner, a 1934 Mathematics Alumna and long-time teacher of Mathematics, who helped endow the tournament.

This year’s competition brought together 142 students from the following 13 Iowa schools:

Cedar Rapids Kennedy High School  
Center Point-Urbana CSD  
City High School, Iowa City  
Cono Christian School  
Home Schools of Eastern Iowa  
Iowa City West  
Ottumwa High School  
Regina High School  
Southeast Polk High School  
Wahlert High School  
Washington High School Cedar Rapids  
Waverly-Shellrock High School  
Western Dubuque High School

The students participated in a total of four "events". In two of these events (the "Sprint Round" and the "Target Round"), students answered mathematics test questions on individual tests. In the remaining two events (the "Team Round" and the "Relay Round") students worked in teams. Professors Oguz Durumeric, Paul Muhly, Walter Seaman, and University of Iowa student volunteers proctored the events. While the students were writing their exams, a team of Mathematics teachers from the participating schools graded the completed exams. We thank the math department graduate and undergraduate students for their invaluable assistance in helping proctor the exams and enter scores in the competition database. We thank Joel Uden from the College of Liberal Arts for his outstanding work in constructing the database program to match the elaborate and multifaceted requirements of the competition. We also thank Home Schools of Eastern Iowa teachers Sally Gaebler and Alice Talmage for their enormously helpful work on the GPML data bases used for the competition.

Below is a summary of the results of the tournament.

**SPRINT ROUND WINNERS (maximum = 120):**

**Grade 9 (large school)** David Ahn, Iowa City West Score: 105
Grade 9 (small school) Marcie Gaebler, Cono Christian School, Score: 74
Grade 10 (large school) Brian Choi, Iowa City West, Score: 90
Grade 10 (small school) Woo Tack Hong, Regina High School, Score: 70
Grade 11 (large school) Matt Staib, Iowa City West Score: 102
Grade 11 (small school) Alan Talmage, Home Schools of Eastern Iowa, Score: 103
Grade 12 (large school) Tyler Chenhall, Iowa City West, Score: 115
Grade 12 (small school) Evan Gaebler, Cono Christian School, Score: 85

TEAM ROUND WINNERS (maximum = 100):
Junior Varsity (large school) Iowa City West Team 01, Score: 50
Junior Varsity (small school) Home Schools of Eastern Iowa, Score 60
Varsity (large school) Iowa City West High School Team 01, Score: 100
Varsity (small school) Home Schools of Eastern Iowa, Team 0, Score 90

TARGET ROUND WINNERS (maximum = 80):
Grade 9 (large school) David Ahn and Ivan Ye, Iowa City West, Score: 50
Grade 9 (small school) John Talmage, Home Schools of Eastern Iowa, Score: 40
Grade 10 (large school) Brian Choi, Iowa City West, Score: 60
Grade 10 (small school) David Rudolph, Regina High School Score: 40
Grade 11 (large school) Tianyi Wei, Iowa City West High School Score: 70
Grade 11 (small school) Erin Gaebler and Ben Weieneth Home Schools of Eastern Iowa, Score: 60
Grade 12 (large school) Tyler Chenhall, Iowa City West, Score: 80
Grade 12 (small school) Evan Gaebler, Cono Christian School, Score: 50

RELAY ROUND WINNERS (maximum = 100):
Junior Varsity (large school) Iowa City West, Team 09 and Ottumwa High School Team 03, Score: 10
Junior Varsity (small school) Home Schools of Eastern Iowa, Team 0, Score: 10
Varsity (large school) Iowa City West High School, Team 01, Score: 40
Varsity (small school) Home Schools of Eastern Iowa, Team 0, Score: 20

WINNING SCHOOLS-TOTALS OF SCORES (maximum = 400 for large schools and small schools)
Junior Varsity (large school) Iowa City West, Score: 184.17
Junior Varsity (small school) Home Schools of Eastern Iowa, Score: 160.66
Varsity (large school) Iowa City West, Score: 325.83
Varsity (small school) Home Schools of Eastern Iowa, Score: 274.00
At the awards ceremony, Professor Paul Muhly also announced that the twelfth grade winners in the Sprint Round (Tyler Chenhall, Iowa City West, and Evan Gaebler, Cono Christian School), and in the Target Round Tyler Chenhall, Iowa City West and Evan Gaebler, Cono Christian School) would each receive a prize of $100 from the endowment started by the Fethkes and Mrs. Wegner. Thanks to everyone who helped to make this a smooth-running event, and thanks most of all to all the students who showed the drive and motivation to spend most of their Saturday morning solving almost three and one half hours of challenging Mathematics problems.

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