

Mu Alpha Theta
Region IV Competition

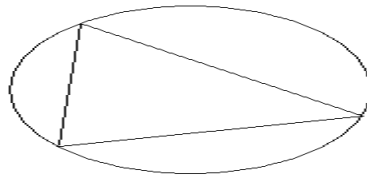
for high school students and 2-year college students
co-sponsored by Mu Alpha Theta and also
AMATYC the American Mathematical Association of Two-Year Colleges

Friday and Saturday

December 4-5, 2009

at

Community College of Philadelphia



All competitions are without calculator and awards are given for the top high school students and the top 2-year college students for each level of each competition. Here are the levels.

High School Levels

Mu level is for students taking or who have taken Calculus.

Alpha level is for students taking or who have taken courses above Algebra II but not Calculus.

Theta level is for students who have not yet finished Algebra II.

2-Year College Levels

Mu level is for students taking or who have taken Calculus.

Alpha for those taking or who have taken courses above Intermediate Algebra but not Calculus.

Theta level is for students who have not yet finished Intermediate Algebra.

Community College of Philadelphia is a large urban community college located in central Philadelphia, Pennsylvania about 1 mile from the Franklin Institute Science Museum, the Academy of Natural Sciences Museum, and the Philadelphia Museum of Art. We are less than 2 miles from Philadelphia's historic district including Independence Mall. There are hundreds of other nearby attractions, restaurants, and hotels.

Send early registration forms accompanied by a check for \$40 per student made out to Community College of Philadelphia postmarked by Friday October 29, 2009 to:

Clark Loveridge,
CCP Math Department
1700 Spring Garden Street
Philadelphia, PA 19130

The first 200 students will be accepted. Do not assume you are accepted until you get your confirmation letter. **Thanks to grants from Mu Alpha Theta and AMATYC, the first 10 high schools and the first 10 2-Year Colleges to register will be refunded up to \$50 each.** For more information contact: Clark Loveridge at the above address or (215)751-8689 or cloveridge@ccp.edu.

Mu Alpha Theta Region IV Competition 2009

No calculators.

Friday December 4

5:30-6:30pm **Registration**

6:45pm **Welcome**

7:15-8:30pm **Interschool Written Test** has 50 open-ended questions of mixed levels. All students take the test but each school submits only one test to be graded.

8:30-10:30pm **Food, dance, Eucher, Chess**

Saturday December 5

8:15-9:30am **Individual Written Competition** has 40 multiple choice questions. There are separate tests for Mu level, Alpha level, and Theta level students.

9:40-10:10am **Ciphering** - 6 rounds of single 3-minute questions where time counts. There are separate competitions for Mu level, Alpha level, and Theta level students.

10:30-11:30am **Relays** - 6 rounds with teams of four players of mixed levels. The output for player A's geometry question is the input for player B's algebra question. Player B's output is then the input for player C's algebra question. Player C's output is then input for player D's precalculus question.

11:30am-12:30pm **Lunch** - Lunch will be provided.

12:45-1:45pm **Math Bowl** - Top four students from each level from each school as determined by the individual written and ciphering competitions will compete in teams of four in 10 rounds of single 3-minute questions where time counts. There are separate competitions for Mu level, Alpha level, and Theta level students.

2:00-3:00pm **Entertainment**

3:00pm **Awards** will be given for the top high school students and the top 2-year college students for each level of each competition.

High School Levels

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Theta level is for students who have not yet finished Algebra II.

2-Year College Levels

Mu level is for students taking or who have taken Calculus.

Alpha for those taking or who have taken courses above Intermediate Algebra but not Calculus.

Theta level is for students who have not yet finished Intermediate Algebra.

Registration Form

for Mu Alpha Theta Region IV Competition December 4-5, 2009

Please fill in as much information as you are able.

Circle one: high school two-year college other _____ Date: _____

School Name: _____

Mailing Address: _____

Pre-event Contact Person: _____

E-mail Address: _____ Pre-event phone: _____

Please estimate the number of buses and the number of cars that will need parking (other than loading and unloading) during the event.

cars _____ buses _____

Sponsor duties: This is not a drop-off event. Sponsors are expected to monitor their students throughout the event and will be assigned proctoring duties and other duties. Everyone who attends who is not a student is a sponsor.

Sponsor ratio: The number of sponsors from a school admitted free is 1 sponsor for up to 4 students, 2 sponsors for up to 8 students, 3 sponsors for up to 12 students, and so forth. Additional sponsors will pay \$20 each.

Sponsor(s): _____ Cell phone during event _____

Estimated number of vegetarians _____ vegans _____

Other dietary restrictions _____

Estimated number of free sponsors _____

Estimated number of additional sponsors _____ × \$20 = _____

Estimated number of students _____ × \$40 = _____

Estimated late fee (envelope with money postmarked after October 29, 2009)

Estimated number of students _____ × \$5 = _____

Total _____

Please enclose check or money order made out to "Community College of Philadelphia". In the memo write "Mu Alpha Theta". The first 200 students will be accepted. Do not assume your registration is accepted unless you get a confirmation letter. **Thanks to grants from Mu Alpha Theta and AMATYC the first 10 high schools and first 10 2 - year colleges to register will be refunded up to \$50 each!**

Registration fee is non-refundable after October 29, 2009.

