

# WASHINGTON STATE MU ALPHA THETA

March 21<sup>st</sup>, 2009  
Thomas Jefferson High School

Dear Sponsor or Coach,

Thomas Jefferson High School is pleased to present to you the 15<sup>th</sup> annual Washington State MU ALPHA THETA 2009 competition. You do not have to be a member of Mu Alpha Theta to attend the State competition, but we do encourage you to join. For more information, please visit the NATIONAL website at [www.mualphatheta.org](http://www.mualphatheta.org).

Registration is \$15 per student. This includes all contests, as well as dinner Saturday night at the awards banquet. If you have any questions, please call me at school (253) 945-5655 or e-mail me at [tnorris@fwps.org](mailto:tnorris@fwps.org).

All students in grades 7-12 are eligible; the divisions are as follows:

**EUCLIDEAN**- Students in Geometry (Integrated 2) or lower

**THETA**-Students in Algebra 3+4 (Integrated 3)

**ALPHA**- Students who are in Trigonometry

**MU**- Students who have taken any level of Calculus

**NO CALCULATORS ON ANY TEST**  
**(with the exception of the AP Statistics and Trigonometry)**

Directions to Thomas Jefferson: From I-5 north or south. Take the 272<sup>nd</sup> street exit. Head east to Military Road, turn right, stay on Military road until you come to 288<sup>th</sup> Street. Turn left onto 288<sup>th</sup> Street, and follow until you see T.J. on your left.

## Schedule Of Events

### Saturday, March 21<sup>st</sup>

**8:15-9:00** Registration is open, schools must register for Chalk Talk and Jeopardy at this time, and check all ID CODES. Pizza can be ordered.

**9:00-9:15** Opening directions in the cafeteria.

**9:15-10:30** CIPHERING-Cafeteria, Deuce and Little Theater

**10:45-11:45** Individual tests-Cafeteria, Deuce and Little Theater

**12:00-3:00** Lunch

**12:00-3:00** Jeopardy E-7 (Schedule to be posted before noon in cafeteria)

**12:00-3:00** Chalk Talk F-3 (Schedule to be posted before noon in cafeteria)

**12:15-1:00** Speed Math E-3

**12:35-1:45** Gemini Test E-5, E-6

**1:05-1:55** Mental Math E-3

**12:45-1:55** Relays Little Theater

**2:00-3:00** Circles/Triangles is in the Little Theater, and Number Theory is in the Deuce. These two tests are open to anyone, even students who have already done a lunch test. **STUDENTS IN JEOPARDY OR CHALK TALK MIGHT HAVE A CONFLICT!**

### **3:10-4:10** Topic Tests Round 1

<b>TEST</b>	<b>Who May Take It</b>	<b>Room</b>
Geometry	Theta/Euclidean	Little Theater
Matrices & Determinates	Theta	Deuce
Matrices & Vectors	Alpha	Deuce
Probability	Theta/Alpha/Mu	Cafeteria
Trigonometry/Calculator	Alpha	E-3, E-4
AB Calculus	Mu	E-5
BC Calculus	Mu	E-6, F-3

### **4:20-5:20** Topic Tests Round 2

<b>TEST</b>	<b>Who May Take It</b>	<b>Room</b>
Sequences and Series	Alpha	Deuce
Sequences and Series	Mu	Deuce
Equations & Inequalities	Theta/Euclidean	E-7
Equations & Inequalities	Alpha	E-6
Logs & Exponents	Theta	Little Theater
Logs & Exponents	Alpha	Little Theater
Differential Equations	Mu	E-5
Statistics/Calculator	Open	E-4, E-3

**5:30-7:00** Dinner and Awards

## TESTS

- 1) *Topic Tests*: Topic Tests are 40 multiple-choice questions covering the subject matter of the topic. No Calculators.
- 2) *Individual Test*: One test, MATHCOUNTS style, 40 multiple-choice questions and 3 divisions, Mu, Alpha, Theta. No Calculators.
- 3) *Ciphering*: 10 rounds of 4 questions at a time, with 4 minutes to solve them, 3 divisions. Calculators are not permitted for Ciphering.

### **Lunch Events:**

- 5) *Gemini Test*: Two students from each school combine to take this 40-question test covering all topics. Multiple teams from a school may compete. No Calculators.
- 6) *Chalk Talk*: One student from each school will give a five-minute presentation "Geometry in Architecture" Each school may enter **one** student in the Chalk Talk. Speeches are to be prepared in advance. Student may only bring a 3" by 5" card of notes, no other props are allowed.
- 7) *Jeopardy*: A team of up to three students will represent their school in a Jeopardy math contest loosely based on the television game show. No Calculators.
- 8) *Mental Math*: Two divisions: Mu/Alpha or Theta/Euclidean. One student from each school in each division takes a 40-question test. All work is to be done in your head. No Calculators
- 9) *Speed Math*: Two divisions: Mu/Alpha or Theta/Euclidean. One student from each school in each division takes an 80-question test in 30 minutes. No Calculators.
- 10) *Relays*: One team per school, 3 members on a team, each team should consist of one Mu, one Alpha and one Theta. A person can move up a division but not down. For example: an Alpha may substitute for a Mu but not visa versa. No Calculators.
- 11) *Number Theory and Circle/Triangles* : Two topic tests given at lunch time. Anyone can take these tests! These two tests are scored the same as a topic test.  
**\*\*Each student may compete in only one of the six lunch events, as they will run at the same times. The exceptions are Number Theory and Circles/Triangles.**

\*\*The Sweepstakes Award will go to the school with the most combined total points on all contests and Lunch events. Students competing in any team event must be from the same high school, or its feeder school(s).

# Registration Information

All Students will be given an ID CODES from Tom Tosch prior to the contest. A list of all names and divisions should be sent to both Tom Norris and Tom Tosch [tnorris@fwps.org](mailto:tnorris@fwps.org) and [tom@tosch.com](mailto:tom@tosch.com)

Each school submitting names should email the list in the following format by March 10<sup>th</sup> 2009.

School: Smith High School

<u>Name</u>	<u>Division</u>
Jim Smith	Mu
Tony Smith	Mu
Cindy Smith	Mu
Jody Smith	Alpha
Jill Smith	Alpha
Sandy Smith	Theta
Tom Smith	Euclidean

All Payments will be made the day of the event

All checks are Payable to: Thomas Jefferson High School

**PO's are not accepted! Thanks**