



TO: Mu Alpha Theta Coaches/Sponsors  
DATE: January 2011  
FR: Lisa Herron, Vice President of State Competition, Brandi (Williams) Hillard, Vice-President of Tests  
Robert Dodson, Treasurer, Kim Woolfenden, Co-Treasurer  
RE: 2011 FAMAT State Convention

On behalf of the Florida Association of Mu Alpha Theta (FAMAT), you are invited to attend the 36th Annual Mu Alpha Theta State Convention. The convention will be held at the Doubletree Hotel located at the entrance to Universal Studios in Orlando, Florida, Friday, April 15- Saturday, April 16, 2011. ***Please read this packet carefully.***

The convention will offer the following traditional events: Bowls and Individual tests in the Calculus, Alpha, and Theta divisions, Topic Tests, a Relay Team competition, an Interscholar Test, Scrapbook, Poster and Computer competitions, Hustle, Mental Math and Speed Math and Region Bowl. Region Bowl is a bowl competition for the 4 highest scoring individuals on the individual test in EACH division. A student delegate meeting will also be in the agenda.

### **ROOM RESERVATIONS AND PAYMENT**

FAMAT does not assume any responsibility for your room registration. Each school must make their own reservation at the Doubletree and must follow the instructions outlined in the included Doubletree registration form. Failure to comply will create problems that may prevent your school from attending the convention. It is **MANDATORY** that all schools will be registering for minimum of two (2) nights. That is the only way WE GET THE MEETING ROOMS FOR NO CHARGE. The price scheduled is **\$139** per standard hotel room/ per night **plus tax** if you do not supply a copy of your tax id WITH your paper work, for up to 4 people. If you do not register for 2 nights, we cannot register you for the convention.

Hotel reservation forms can be found at **FLORIDAMA.Org**. They should be postmarked by Friday March 14, 2011. The earlier you send them, the better chance of rooms at the Doubletree. Send to: Doubletree Hotel—Orlando attention: Terrie Horton—Group Coordinator 5780 Major Blvd. Orlando, FL 32819

Only FAMAT member schools that have paid dues in November or **updated by March 1, 2011**, will be eligible to register associate/full members for the State Convention. Sponsors will need to:

1. send registration form and fees to the treasurer AND
2. submit all information ONLINE concerning topic tests, t-shirt sizes, and meals AND
3. make hotel reservations with the hotel.

Schools must stay at the Doubletree Hotel in order to participate in the State Convention. Schools doing otherwise may not compete at the State Convention, risk being suspended from future FAMAT activities, and a fine.

## **Entering information online DOES NOT REPLACE SENDING THE REGISTRATION FORM which is at the end of this packet) WITH \$\$\$.**

The deadline for submitting all information online and mailing the registration fee is **March 14, 2011**. The hotel deadline is also **March 14, 2011**. Info will be in state packet available in January at **FloridaMAO.org** Please watch for updates on **FAMAT@TOPICA.com** for schools that have registered completely.

### **CONVENTION REGISTRATION**

Convention registration fees will be **\$100 / student and \$50 / sponsor**. This fee does **NOT** include the cost of the rooms. Registration will be done online at **FLORIDAMA.Org**. There are **NO EXCEPTIONS**. The final online date and time for registration is before March 14, pi day at 11:59 PM. The site will shut down at that time. Plan accordingly. The check for registration must be postmarked by March 14, **2011**. Send to FAMAT treasurer. **Late registrations will NOT be accepted**. It is imperative that you meet these deadlines so your students will not be left out. The hotel forms must also be postmarked on or before **3/14/11**. Please remember that your school and all students attending the convention must be affiliated with the Florida Association of Mu Alpha Theta (FAMAT) as of November 1, **2010 or updated by March 1, 2011**. Students and schools not affiliated with the state organization are disqualified from convention events. **Membership dues will not be accepted at the convention site.**

### **CONVENTION ON-SITE REGISTRATION AND ARRIVAL**

Convention Registration will be at the registration desk in the Convention Center or in the t-shirt/trophy room. Official DoubleTree check-in time is 4:00 PM. Every effort will be made to have at least one room ready upon arrival for each school. Schools arriving after 12:30 PM will have their luggage stored.

## MEALS

Meals, which are covered, begin with Friday night's dinner and end with Saturday night's dinner for a total of 4 meals. It is strongly suggested that your students pack a lunch for Friday and that they bring whatever "munchies" they prefer. If, because of health or religious reasons, any student or sponsor requires a special diet, please complete the vegetarian meal information on the online registration form before **3/14/11**. There may be an additional charge. Vegetarian type meals will be in the buffet lines.

## STUDENT AND SCHOOL REGISTRATION NUMBERS

When a student is pre-enrolled on line, state enrollment numbers are automatically assigned. Sponsors **MUST** have pre-enrolled all students who will compete. Schools should have attended 2 other competitions prior to the STATE CONVENTION. Students can find their number under STATE ID on the enrollment page. Each student number consists of 9 digits and must be entered **left justified and bubbled**. SEE SPONSORS GUIDE. E-mail the webmaster if you have questions. The first four digits are the school number, followed by the 3 digit unique ID per student, 8<sup>th</sup> digit is the division used during the year – 2 for geometry, 3 for Algebra 2, 4 for Pre Calc, 5 for Calculus, 9<sup>th</sup> digit is a zero. Registration is available at [www.floridamao.org](http://www.floridamao.org). Keep informed via [FAMAT@topica.com](mailto:FAMAT@topica.com). REPEATING: All schools attending the State Convention should have participated in a least two previous FAMAT competitions this year. Sponsors are to have each student fill out 4 scans prior to arrival at the convention using the FAMAT State ID# which is listed at [floridamao.org](http://floridamao.org). Students are then to bring one scan to each of written tests – individual and topic tests.

## INDIVIDUAL AND TOPIC TEST REGISTRATION

All registration will be done online. Make sure you enter the number of topic tests for your students when you register. Sponsors will receive tickets for their students for all topic tests. **Students must bring tickets to each topic test or risk the possibility of not taking the test.** If a student is not presently enrolled in a mathematics course he/she must compete in the level of his/her last completed course. **Students must take the individual test that corresponds to the level in which he/she is registered.** Students wishing to take a topic test written for a division higher in content than the one he/she is registered for may do so, i.e., Theta division students may take Alpha or Calculus topic tests if they wish. To reiterate, students can always move up in difficulty on topic tests, but not down. Students/Schools not complying with these rules will be disqualified and sent home **NCS answer sheets will NOT be provided for you. You will bring your OWN, ALREADY filled in bubble sheets to State.** Each student will be responsible for **correctly entering, left justified, and bubbling his/her nine (9)-digit STATE student registration number on the answer sheet.** Incomplete or incorrectly filled out answer sheets will result in the disqualification of the student from that test. Students are responsible for "bubbling" their answers darkly and erasing completely. Bring a GOOD eraser. NCS sells an excellent marking pencil.

## HOTEL INFO

If a sponsor leaves his/her credit card information at check in, then the phones will be connected to make outside calls. Otherwise, the phones will be disconnected. **There is a charge for making phone calls outside of the hotel, even if you are calling collect.** If you want to avoid surprises upon departure, please discuss this with your students.

## DEPARTMENT

Students attending the convention are expected to adhere to the same dress code and conduct rules employed during the school day or during a school sponsored event. **T-shirts displaying inappropriate slogans are not to be worn. Hats are NOT to be worn at ANY TIME.** The use of alcohol and/or drugs, smoking, unlawful behavior, or unruly conduct will result in the Executive Board enforcing its authority to immediately send home any student or school causing a major disciplinary problem, with the possible provision that the school or student's FAMAT membership be revoked or suspended for the next school year. **SPONSORS MUST BRING ADEQUATE ADULT SUPERVISION FOR THEIR STUDENTS. THERE MUST BE A FACULTY REPRESENTATIVE AMONG EACH SCHOOL'S CHAPERONED GROUP.** Every effort will be made to house each school on the same floor. Each sponsor is responsible for enforcing the curfews indicated in the schedule. Sponsors please discuss these matters with your students prior to attending the convention and hopefully all of us will be spared any embarrassment. **Sponsors are also responsible for monitoring that all students from their school attend all activities.** The final awards ceremony is dressy! Dress appropriately.

## CHECK OUT / DEPARTURE

Check out time is BEFORE 11:00 a.m. **April 17, 2011**. The rooms must be vacated by then, or you could be charged another night fee.

## CONVENTION COMPETITIONS

### CALCULUS / ALPHA / THETA INDIVIDUAL COMPETITION Places 1-25 per division (Included in Sweepstakes)

Calculus/Alpha/Theta Individual tests will consist of 30 multiple choice questions, with ties broken by the sudden death method. Scoring will be four times the number right minus the number wrong. There will be a one-hour time limit. A student may take only the test that corresponds to the level in which he/she is registered. Associate members may take the Theta Test.

CALCULUS (MU)	The content of the Calculus test consists of topics from all mathematical subjects taught in High School, but the primary content will be from an AB Calculus course.
ALPHA	The content of the Alpha test consists of topics ranging from Algebra I, through Pre-Calculus. The questions will primarily consist of topics from Trigonometry, Analysis, Advanced Math, Analytic Geometry, or Pre-Calculus.
THETA	The Theta test questions will cover topics from Algebra I, Geometry, and Algebra II.

### CALCULUS / ALPHA / THETA BOWLS Places 1-10 per division (Included in Sweepstakes)

The Bowl event is a fast answer team competition. There will be 12 open ended/free response questions which participants are allowed to discuss orally while working together to derive a single solution. Points will be awarded according to the minute in which the correct answer is given: 16 points in the first minute, 12 points in the second minute, 8 points in the third minute, and 4 points in the fourth and final minute. A sliding scale will be used; i.e. if there are no correct answers submitted in the first minute, correct answers submitted in the second minute will be worth 16 points, etc. A school may enter one, four-person team in each division. The school's four team members will be determined by the top four individual written scores from that school. If a person is selected to represent his/her school in a Bowl, he/she will not qualify to participate in other concurrent events. He/she will be expected to be at the Bowl. Total team scores will be determined by adding the score obtained in the Bowl to the four-team members' individual written test score. **Trophies will be awarded to the top ten teams.** Team members will each receive a small trophy in addition to the school team trophy. The Bowl event will be counted toward the Sweepstakes total. A cash award will be given to the first place teams. **This cash award is to be used to send the team to the National Mu Alpha Theta Convention.** If the team is not going to attend the National convention, then the cash award will go to the next highest placing team that will be attending the National Convention.

### TOPIC TESTS Places 1-20 per test (Included in Sweepstakes)

Registration for Topic Tests is restricted to the levels indicated on the test. As always, a student may move up, but not down, in category. All topic tests will be composed of 30 multiple choice questions, with answer choices A-D with E (none of the above). Grading will be four times the number correct minus the number wrong. There will be a one-hour time limit except for History, which will have 30 minutes. Trophies will be awarded to the top twenty-five places. Topic tests will be counted towards the Sweepstakes

*Every Student should be registered for Mu (Calculus), Alpha (Pre-Calculus,) or Theta (Algebra 2/Geometry)*

*Each student will take an Individual Test AND Round 1, 2 and 3 Topic Tests. (Test tickets will be given)*

*When you enter this information online, please indicate the number of students you are registering for each test.*

*In your registration packet at the State Convention, you will receive tickets for the topic tests as specified below. Students will need to bring these tickets when taking topic tests. **Deadline for entering this information online is March 14, 2011.***

#### Round 1 Topic Tests

Geometry (Theta)  
Theta Applications (Theta)  
Equations and Inequalities (Theta)  
Alpha Applications (Alpha)  
Complex Numbers (Alpha)  
Calculus Applications (Calculus)  
Sequences & Series (Calculus)  
Statistics (Open)  
Number Theory (Open)

#### Round 2 Topic Tests

Circles (Theta)  
Functions (Theta)  
Analytic Geometry (Alpha)  
Equations & Inequalities (Alpha)  
Matrices & Vectors (Alpha)  
BC Calculus (Calculus)  
Integration (Calculus)  
Probability (Open)

#### Round 3 Topic Tests

Circumference (Theta)  
Logs & Exponents (Theta)  
Logs & Exponents (Alpha)  
Trigonometry (Alpha)  
Area and Volume (Calculus)  
Limits & Derivatives (Calculus)  
Multivariable Calculus (Calculus)  
Gemini Team (Open – 1 team of 2/school)  
History of Math (Open) - Topic: History of Prime Numbers

## MATH RELAYS

Places 1-10 and members (Included in Sweepstakes)

There will be 3 seats – theta, alpha, calculus. There will be a practice round followed by 9 rounds. Students will begin seated as theta, alpha, calc. After each set of 3 questions, the students will move back one seat. Each student will have their own question to work on, but each team will have a single answer sheet on which to write **answers only**. This answer sheet can be passed behind them or in front of them during the round, but they cannot talk to each other. If a student wants the answer sheet passed back up to him, the student can snap his fingers or tap the person in front of him on the back.

Each question will be 6 minutes in length. Answer sheets can be submitted at the end of 2, 4, and 6 minutes. Each correct answer will be worth 2 points. Bonus points will be awarded if all 3 answers are correct – 12 points at the end of minute 2, 8 points at the end of minute 4, 4 points at the end of minute 6.

## HUSTLE (Places 1-10 and team member) (Included in Sweepstakes)

Hustle is a high speed team event in which 4 team members try to answer questions in various categories. Each school may have one Hustle team with no more than 2 members from the same division, except Theta. Additionally, each school must have one sponsor/chaperone and an additional sponsor/chaperone or student who will score for another school. If you do not have a sponsor and/or an additional person, you may not compete unless given permission from the head proctor of Hustle. Larger schools are encouraged to have more than 2 graders/scorers assist with Hustle.

The rules for Hustle are as follows:

There will be 5 rounds of 5 minutes each. The team is presented with 125 color coded questions in these categories : Geometry, Algebra II, Pre-Calculus, Calculus, and Statistics. In each round, the team can answer no more than 5 of any one color and 25 questions in all. If more than 25 answers are submitted in a round, the graders will “throw back” answers giving consideration to the rules outlined before. At the end of each round, one-minute and 15-second warnings will be given. Teams must submit their answers between the 15-second warning and the end of the round. Correct responses will be awarded the following point values:

Round 1 – 6 pts   Round 2 – 5 pts   Round 3 – 4 pts   Round 4 – 3 pts   Round 5 – 2 pts

The rounds are continuous with no breaks between them. Awards will be given to the top 10 teams with individual awards also given to the team members. Hustle will count towards each school’s sweepstakes scores.

## SCRAPBOOK COMPETITION Places 1-10 (Included in Sweepstakes)

A school may submit one "traditional" (a book which opens and functions like a regular book) scrapbook limited to outside maximum dimensions of 18" by 20" prepared by members of the chapter. **No videos, no fiber optics, no “bells or whistles”, no electronic or professionally prepared scrapbooks will be judged.** The period of time covered in the scrapbook should be last year’s convention to the present convention. Scrapbooks will be judged on creativity, organization, neatness, content, and cover design. There is a panel of 7 judges. High and low scores are thrown out and the remaining scores will judge the scrapbooks. All decisions of the judges will be final. Scrapbooks are to be submitted at the time designated on the final convention schedule. Trophies will be awarded to the top ten places. This event counts toward the Sweepstakes total. **Scrapbooks that are neither the proper size nor complying with the “traditional scrapbook” intent will have points deducted or be disqualified.** Judging sheets will be provided for your poster- No need to copy.

**SEE Judging Form- Last pages in this Packet for more Specific Instructions.**

## POSTER COMPETITION Places 1-10 (Included in Sweepstakes)

The entire poster must be constructed at the convention. All students may work as a team during this event. The poster board and the theme will be disclosed during opening ceremonies. Only one poster per school is permitted. All materials are to be provided by your own school. NOTHING may be “attached” to the poster. (i.e. w/ glue, tape, etc.) **DO NOT PUT NAME ON THE FRONT.** Mark the back with school name and #. A panel of seven judges will judge. The high and low scores will be thrown out and the remaining scores will judge the posters. All decisions of the judges will be final. Posters will be judged in the categories of creativity, neatness, demonstration of the theme, and use of mathematical concepts and knowledge. Trophies will be awarded to the top ten places. This event will count toward the Sweepstakes total. Judging sheets will be provided for your poster- No need to copy.

**SEE Judging Form- Last pages in this Packet for more Specific Instructions.**

## INTERSCHOOL (School-Wide) TEST Places 1-10 (Not included in Sweepstakes)

The INTERSCHOOL test will be a 50-question open response test. Students from a school will work together to reach solutions to the questions. Sponsors are allowed to participate. Students may bring math books and any other resource materials. Additional points will be awarded for the top 5 schools for the T-shirts from the MAIL-IN interschool test held in November. The awarded points are 1<sup>st</sup>-5, 2<sup>nd</sup>-4, 3<sup>rd</sup>-3, 4<sup>th</sup>-2 and 5<sup>th</sup>- 1point.

**STATISTICS BOWL** Places 1 – 5 (**Not** included in sweepstakes)

A Statistics Bowl will be held during the school bowls. Students who are NOT on the school bowl teams are eligible to represent their school as a member of the statistics bowl team at the discretion of the sponsor. This event will be the same as the school bowls.....

**SPEED MATH** Places 1 - 10 Students and Adults (**Not** included in Sweepstakes) Noon Friday

- This is a 15 minute test with 25 open response problems.
  - There is NO calculus or trig on this contest.
  - The answer should be written in the space provided.
  - All problems require exact answers.
  - Fractional answers may be given as improper fractions, mixed numbers, or exact decimals unless otherwise specified.
  - Any units within a given problem and its answer are consistent.
  - Where applicable, leave answers in terms of  $\pi$  .
  - You will receive 1 point for each correct answer.
  - No penalty for wrong answers or empty answer spaces.
  - You may write on the test paper.
  - No calculators
  - 3 students from each school and any sponsor may participate
- There is a sample speed math contest at [www.floridamao.org](http://www.floridamao.org).**

**MENTAL MATH** Places 1-10 Students and Adults (**Not** included in Sweepstakes) Friday evening

- This is an 8 minute test with 40 problems.
- ALL PROBLEMS MUST BE SOLVED MENTALLY.
- There is to be NO writing on the test other than the answer.
- Writing other than the answer(s) will result in disqualification of the test taker.
- The answer should be written in the space provided.
- No erasures may be made to an answer once written.
- Use a pen with blue or black ink.
- All problems require exact answers.
- Fraction answers may be given as improper fractions, mixed numbers, or exact decimals unless otherwise specified.
- You will receive 5 points for each correct answer.
- 1 point for each question left unanswered
- 0 points for each incorrect answer
- Wait for the signal to begin then you will have 8 minutes of working time.
- A warning will be given at 1 minute and 15 seconds left in the testing time.

**COMPUTER COMPETITION** Places 1-10 and team members (**Not** included in Sweepstakes)

The one hour computer programming competition will consist of a set of problems for which teams must write programs to process specific input and display correct output for all cases provided by the judges. Data on the judges' sheet will be delimited by commas, but teams may delimit data in a way appropriate to their language (i.e. separated by spaces).

The problems will be of varying difficulty and will have appropriate point values assigned to each. The problems may be solved in any order. Ties will be broken by the sudden death method starting with problem 1. Each school is limited to one team of three members and one computer. Each school must supply its own computer, extension cord, and power strip. (Note: Schools need BOTH an extension cord AND a power strip) Programs may be written in Java, C/C++, Basic or Pascal. No calculators, cell phones or internet use is permitted. Each team is allowed one electronic or printed language reference source. (For example, the Java API's may be installed on the computer.) Judges reserve the right to accept or deny the use of any language reference materials. Teams should present their reference materials for approval before the contest begins. Teams are not permitted to use any prewritten code. All disputes must be submitted immediately after the judging of the contest. Contest judges will determine the validity of all disputes. The decision of the judges is final.

**CALCULATOR USAGE**

Calculators may be used on the Statistics Topic Test, Statistics Bowl and Interscholar Test only.  
Calculators may NOT be used on any other events.

## DISPUTE POLICY

1. All disputes must be submitted within one-half hour of the completion of the test. Dispute forms are to be returned to the Dispute Table. (Check schedule for specific room). All explanation must be in writing. **No** verbal explanations will be accepted. A sponsor's signature is not required on the dispute form.

2. If the posted (read / power point) answer is incorrect, the key will be changed to the correct answer.

3. If there is more than one correct answer selection, all correct selections will be graded as correct.

4. If the dispute involves an alternate, non-traditional interpretation of the question, the dispute center will accept the alternate answer only from those students who correctly submit a valid interpretation of the question. All other student's answers of that question will be graded by the original answer that was read.

## TIE-BREAKER POLICIES

### INDIVIDUAL WRITTEN TESTS AND ALL TOPIC TESTS

Each of the tests includes 30 multiple-choice questions. Multiplying four times the number right minus the number wrong will give the score of each test. If a tie exists, the sudden death method of breaking ties will be used. The tied tests will be compared, question for question, beginning with question # 1, continuing until one test results in an incorrect answer.

DIVISION: If the total points of two or more teams tie, the following procedure will prevail in an attempt to break the tie:

1. The total bowl score will be compared, the higher score breaking the tie and awarding the higher place to that team.

2. If the total bowl score does not break the tie, then a comparison of question-by-question answers will determine the winner. If this does not break the tie, then the individual scores will be compared.

## SWEEPSTAKES SCORING

A school's total Sweepstakes points will be awarded as follows:

Calculus/Alpha/Theta (3). Each school's division score (bowl + individual) will be converted to T-scores, added, and **multiplied by 9**. These scores will account for approximately **45.76%** of a school's total sweepstakes points.

Topic Tests (25). Each school's best score per topic test will be converted to a T-score and **multiplied by 1**. These scores will account for approximately **42.37%** of a school's total sweepstakes points.

Hustle (1) Each school's score will be converted to a T-score and **multiplied by 2**. This score will account for approximately **3.38%** of the school's total sweepstakes points

Relay (1). Each school's score will be converted to a T-score and **multiplied by 2**. This score will account for approximately **3.38%** of a school's total sweepstakes points.

Scrapbook (1) Each school's score will be converted to a T-score and **multiplied by 2**. This score will account for approximately **3.38%** of a school's total sweepstakes points.

Poster (1). Each school's score will be converted to a T-score and **multiplied by 1**. This score will account for approximately **1.69%** of a school's total sweepstakes points.

## SWEEPSTAKES TIE BREAKER

If the total points of two or more schools tie, the following procedure will prevail in an attempt to break the tie:

1. Compare the divisions in order, first Calculus, then Alpha then Theta. The higher score will be the winner.

There is no limit to the number of students that a school can enter in the individual written competition. All students are encouraged to participate in one of the three levels Calculus, Alpha or Theta, according to Current Mathematics class.

## ELIGIBILITY for FLORIDA STATE CONVENTION

Eligibility for FAMAT State Convention- **ONLY HIGH SCHOOL students in grade 9-12 may compete.** Students SHOULD have competed in at least 2 FAMAT competitions during the current year. 3 Regionals and 3 Invitationals (Statewides) are offered.

The FAMAT State Convention is intended for Mu Alpha Theta and FAMAT members and associate members only. Schools attending the FAMAT State Convention should be **current members** of **National Mu Alpha Theta AND Florida Association of Mu Alpha Theta**. Each student attending is to be a full or \*associate\*\* member of both organizations.

Full members must have completed four semesters of college preparatory mathematics, are enrolled in a more advanced mathematics course or have completed the highest course offered at the high school, have maintained a B or better average in overall academic work and in mathematics. Associate members must have completed two semesters of algebra with a grade of B or better and must be enrolled in a third semester of advanced mathematics.

The following directions will be on EVERY cover sheet for EVERY test at the State Convention.

1. Your 9 digit state FAMAT ID# should already be entered in the appropriate spaces, left justified and bubbled. Check that each column has only one number darkened. In the name blank, you should have your **printed** name, in the subject blank you should have **printed** the name of the test on the cover sheet, in the date blank you should have the **printed** school name, no abbreviations.
2. For the 30 questions on all written tests, scoring is 4 times the number correct, 0 for no answer, for the number incorrect.
3. You may not sit adjacent to anyone from your school.
4. No hats, headphones, beepers, cell phones or other electronic devices. TURN OFF ALL CELL PHONES NOW.
5. No calculators except for the statistics topic test. If you have a calculator with you, and you are NOT taking the statistics test, put the calculator on the floor.
6. Any inappropriate behavior or any form of cheating by a participant will lead to the banning of the student and/or school from future FAMAT competitions for up to one calendar year, at the discretion of the FAMAT Board.
7. If a student believes a test item is defective, select "NOTA" and file a dispute explaining why.
8. In the case that a question has multiple correct answers, any of the answers will be counted as correct. DO NOT select "NOTA." This applies even if one of the correct answers is in more simplified form than another. If your answer is (is not one of the choices), write a dispute explaining why your answer should also be accepted.
9. If AN ANSWER CHOICE IS NOT COMPLETE, choose "NOTA." For example, when solving a quadratic where there are two solutions, a choice providing only one solution should NOT be chosen. On the other hand, if a question asks for "A solution...", a choice providing only one solution would be correct.
10. The phrase "two numbers" is to be interpreted as allowing the two numbers to be equal. The phrase "two distinct numbers" means find two different numbers.
11. If a student files a dispute claiming what the dispute center believes is a unique or highly unusual interpretation of the problem, the dispute center may award that student credit while allowing the intended answer for all other students.
12. Unless a question asks for an approximation or a rounded answer, give the EXACT answer.

*PLEASE REMEMBER, WE ARE CRAMPED FOR SPACE. DO NOT BRING STUDENTS, "just because".  
Ask yourself "Have they been competing regularly and placing, or at least, making a positive score???"*

**Reminders :**

**\*All participants must stay at the Doubletree Hotel for the duration of their stay for the FAMAT State Convention. (Minimum of 2 nights) [Thurs/Fri or Fri/Sat ]. Remember to fill out the hotel form and send in your money for the hotel, TO THE HOTEL with a ROOMING LIST! This form can be found in the State Convention packet that will be on-line in January at [floridamao.org](http://floridamao.org)**

**\*All sponsors/coaches and chaperones will be assigned proctoring duties.**

***\*No middle school students are eligible to attend the FAMAT State Convention.***

***\*High School students must be full or associate members of FAMAT in order to be eligible to attend. Your school SHOULD also be registered and current with dues through National Mu Alpha Theta.***



# FAMAT 2011 STATE CONVENTION REGISTRATION FORM

School Name: \_\_\_\_\_

School Address: \_\_\_\_\_

City, Zip: \_\_\_\_\_

Lead Sponsor's Name: \_\_\_\_\_

Lead Sponsor's: School Phone # (\_\_\_\_) \_\_\_\_\_ Home Phone # (\_\_\_\_) \_\_\_\_\_

Lead Sponsor's E-mail Address: \_\_\_\_\_

List All Other Sponsors and Chaperones Names:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Total # of Students \_\_\_\_\_ x \$100 = \$ \_\_\_\_\_

Total # of Sponsors \_\_\_\_\_ x \$50 = \$ \_\_\_\_\_

Total Remittance \$ \_\_\_\_\_

**Make your check out to "FAMAT". Your registration form and check must be postmarked by March 14 (pi Day) and mailed to**

**Tampa Bay Tech  
Math Department  
Kim Woolfenden, Co-Treasurer  
6410 Orient Rd.  
Tampa, FL 33610**

From the Treasurer: Please do **not** send registration and checks via Certified or express mail. This may actually cause delay in processing your registration. Stamps are the best and drop it in the mail. You are being given PLENTY of notice about deadlines! Mailing with a stamp saves daily trips to the post office, which are NOT easy to do. As they are received, a list will be posted.

# Scrapbook Competition Judging Sheet

(These sheets will be provided for you)

School Name \_\_\_\_\_

School ID # \_\_\_\_\_

Judge's # \_\_\_\_\_

Note to judges:

- Please note that each subcategory under the five main categories is assigned a maximum point value. Write these point values in the spaces provided to the left, then total the points and write the total score for each category on the top.
- Schools are not given specific guidelines for any of the categories below other than the information provided on this judging form. Do not impose or add any of your own rules or guidelines that schools were not provided in the convention packet.

I. Cover (20 points, maximum) \_\_\_\_\_ (Total points)

- \_\_\_ A. School name (1 point)
- \_\_\_ B. Mu Alpha Theta logo (1 point)
- \_\_\_ C. Year (1 point)
- \_\_\_ D. Creative use of materials (6 points)
- \_\_\_ E. Attractive design (6 points)
- \_\_\_ F. Sturdy construction/Ease of Handling (5 points)

II. Content (50 points, maximum) \_\_\_\_\_ (Total points)

- \_\_\_ A. Use of visual materials (8 points)
- \_\_\_ B. Coverage of membership information and club activities (8 points)
- \_\_\_ C. Coverage of competition, contests and results (8 points)
- \_\_\_ D. Consistency of theme (8 points)
- \_\_\_ E. Variety of content material (8 points)
- \_\_\_ F. Creativity of page layout (10 points)

III. Organization (20 points, maximum) \_\_\_\_\_ (Total points)

- \_\_\_ A. Method/style of organization (10 points)
- \_\_\_ B. Creativity of organization (10 points)

IV. Artistic Quality (30 points, maximum) \_\_\_\_\_ (Total points)

- \_\_\_ A. Artwork/lettering (10 points)
- \_\_\_ B. Color coordination of materials (10 points)
- \_\_\_ C. Style and design (10 points)

V. Overall Effect (30 points, maximum) \_\_\_\_\_ (Total points)

- \_\_\_ A. Activity level of the school's Mu Alpha Theta chapter (6 points)
- \_\_\_ B. Originality and creativity in assembling the scrapbook (8 points)
- \_\_\_ C. Completeness and thoroughness of the scrapbook (8 points)
- \_\_\_ D. WOW factor (8 points)

**\*\*Deductions: Exceeded maximum size of 18" by 20"- 20 points.**

**Non-traditional cover - 10 points Non-traditional interior - 20 points**

**Total Points** \_\_\_\_\_ (150 maximum)

Comments (on back): Note here if you use the back

# Poster Competition Judging Sheet

(These sheets will be provided for you)

School Name \_\_\_\_\_

School ID # \_\_\_\_\_

Judge's # \_\_\_\_\_

Note to judges:

Please write in point values for all subcategories on the left. Total these and write subtotals for each category on the right.

- Use of any unauthorized materials or attachments will result in point deductions.
- Placement of school name on front of poster will result in a 20 point deduction.

## **I. Content (30 points, maximum)**

\_\_\_\_\_ **Total points**

- \_\_\_\_\_ A. Originality (10 points)
- \_\_\_\_\_ B. Theme Related (10 points)
- \_\_\_\_\_ C. Math Related (10 points)

The theme must be reflected in the artwork. The math used in the poster need not reflect the theme. Titles in posters are optional and need not use the exact wording given when theme is announced.

## **II. Artistic Quality (40 points, maximum)**

\_\_\_\_\_ **Total points**

- \_\_\_\_\_ A. Lettering (10 points)
- \_\_\_\_\_ B. Artwork (10 points)
- \_\_\_\_\_ C. Color Coordination (10 points)
- \_\_\_\_\_ D. Style/Layout (10 points)

## **III. Overall Effect (30 points, maximum)**

\_\_\_\_\_ **Total points**

- \_\_\_\_\_ A. Attractiveness/Neatness (10 points)
- \_\_\_\_\_ B. Eye Catching Design (10 points)
- \_\_\_\_\_ C. WOW Factor (10 points)

**Deductions: Use of unauthorized materials or attachments: 20 points**

**School name, logo, initials or any other identifying elements on front: 20 points**

\_\_\_\_\_ **Total Points (100 maximum)**

Comments: