

Nassau

Mathematics

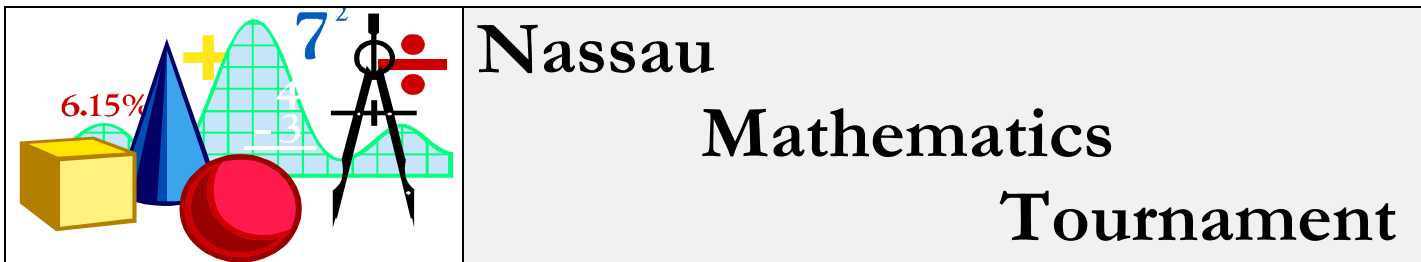
Tournament

at SUNY-Old Westbury

## SUMMARY OF RULES

- 1. Structure:** Two separate divisions: *UPPER* (grades 11-12) and *LOWER* (grades 9-10).  
***EVENTS:*** Three competitions; an individual event with grade-specific questions, a traditional individual team event with the same questions for everyone, and a cooperative team event, with talking permitted. Lunch followed by awards assembly.
- 2. Solutions:** **All parts of the competition will have integer answers ranging from 0 to 999, inclusive. No fraction, decimal, or irrational answers will be accepted.**
- 3. Individual:** Students are grouped by grade level for this round, which consists of one set of fifteen problems in 45 minutes. Only classroom knowledge is assumed: grade 9 - Alg 1/Geom; grade 10 - Geom/Alg2; grade 11 - Alg2/Trig/Precal; grade 12 - Precalculus/Calculus. **Calculators are NOT permitted for this event.**  
*One point per correct response. Max score: team:75 points; individual: 15 points.*
- 4. Mathletics:** Students are grouped by team but work separately on a set of ten problems in 30 minutes. Topics cover all math team topics as well as the standard high school curriculum. Younger students lack some background, but they compete against each other only.  
**Calculators are permitted for this event. One point per correct response.**  
*Maximum score: team - 50 points; individual - 10 points.*
- 5. Team event:** Each team works cooperatively on one set of twenty problems in 60 minutes but must realize that competing teams are nearby. Time is a major factor.  
**Calculators are permitted for this event. Three points per correct response.**  
*Maximum score: team - 60 points.*
- 6. Tourney Points:** **Each team consists of 5 students.** Team scores are the sum of all individual scores and the Team Event score. Ties are recognized with duplicate awards. Individual ties only for first place will be decided by a tiebreaker.  
*Maximum score: team - 185 points (75+50+60); individual - 25 points (15+10).*
- 7. Awards:** The Top Ten teams in each division receive awards. The Top Ten individuals in each grade receive awards. All participants receive certificates.
- 8. Limitation:** Coaches may initially register a maximum of 4 teams per school, indicating in the comments section on the registration form whether the 4<sup>th</sup> team is in the upper or lower division. If, at the end of the registration period, the venue's total capacity is exceeded, the committee will select, AT RANDOM, those 4-team schools that will be asked to withdraw their 4<sup>th</sup> team.

**Registration by Internet Only**



# Nassau Mathematics Tournament

*at SUNY-Old Westbury*



**Date:** *Friday, February 2, 2018*  
*Snow date: February 9, 2018*

**Time:** *7:30 am - 2:00 pm*

**Fee:** *Team of 5: \$125*

**Eligibility:** *Student, Grades 9 – 12*

**Sign-ups begin on or about October 31, 2017.**  
 We will need the number of upper-level teams and the number of lower level teams when you register. **If you are registering 4 teams, indicate in the comments section on the registration form whether your 4<sup>th</sup> team is an upper or lower division team.**

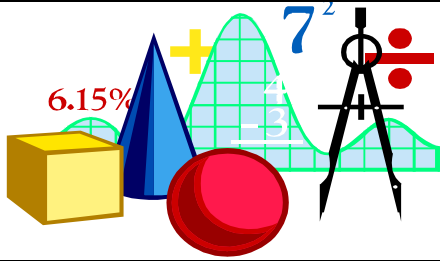
**Final deadline: *December 22, 2017***  
**Late registrations will not be accepted.**

**Directors:** *Farrel Powsner, Roslyn HS (Retired) and Lisa Lewis, Roslyn HS (Retired)*

**Registration and Lunch in the Campus Center. Competitions in the New Academic Building.**

**UNIQUE! EXCITING! FIERCELY COMPETITIVE! THAT’S THE THIRTY-FOURTH ANNUAL NASSAU MATHEMATICS TOURNAMENT. HOW DO WE DO IT? HERE’S HOW:**

- \* Hundreds of mathletes - all in one place at one time.
- \* A full day of face-to-face competition.
- \* A full-blown Tournament atmosphere.
- \* A great way to introduce students to Math Contests.
- \* Six different events - 90 problems - all in the same day.
- \* Awards assembly on the same day.
- \* Each mathlete tackles 45 problems in 3 events.
- \* Fee includes lunch.
- \* Fee includes Tournament Problem and Solution Book.
- \* Fee includes programs and certificates for all.
- \* Awards! Awards! Awards! 40 individual, 20 team.
- \* Problems require ingenuity and speed - an average of 3 minutes each.



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**SCHEDULE**

**7:30 – 8:15**

**REGISTRATION**

**8:30 – 8:45**

**WELCOME ASSEMBLY**

**EVENTS**

**9:00 – 9:45**

**GRADE LEVEL ROUND**

**10:00 – 10:30**

**MATHLETICS ROUND**

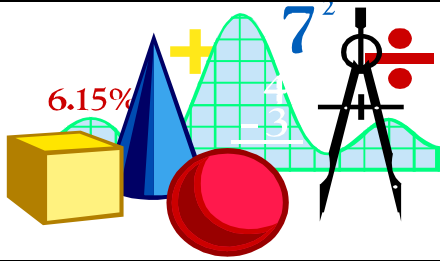
**10:45 – 11:45**

**TEAM EVENT**

**12:00 – 12:45**

**LUNCH**

**Presented with the support of Dr. Calvin Butts, President, SUNY at Old Westbury.**



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*The Awards Assembly finishes by 2:00 PM. The Problems/Solutions Booklet and all awards are distributed at the Assembly.*

**For further information, contact:**

Farrel Powsner, *Roslyn HS (Retired)*

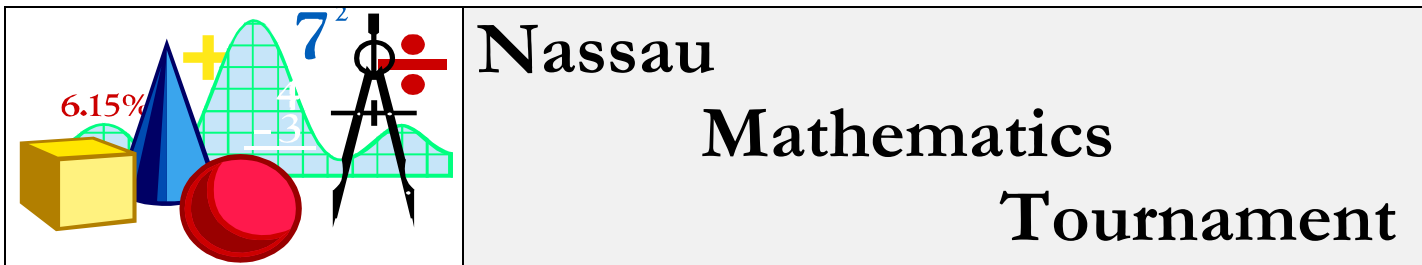
Lisa Lewis, *Roslyn HS (Retired)*

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email: [lisalewi97@aol.com](mailto:lisalewi97@aol.com)

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## Graphing Calculators Acceptable for Use in the Tournament

The following graphing calculators are acceptable for use in the tournament. **Scientific calculators are permitted as well.** Coaches should check their own students' calculators to ensure that the required conditions are met. If a student wishes to use a calculator that is not listed below, the coach must contact Matt DeMarinis to receive written permission for the student to use the calculator in the tournament.

### Casio

FX-6000 series  
 FX-6200 series  
 FX-6300 series  
 FX-6500 series  
 FX-7000 series  
 FX-7300 series  
 FX-7400 series  
 FX-7500 series  
 FX-7700 series  
 FX-7800 series  
 FX-8000 series  
 FX-8500 series  
 FX-8700 series  
 FX-8800 series  
 FX-9700 series  
 CFX-9800 series  
 CFX-9850 series

### Hewlett-Packard

HP-28 series  
 HP-48 series  
 HP-38G

### Radio Shack

EC-4033  
 EC-4034  
 EC-4037

### Sharp

EL-5200  
 EL-9200 series  
 EL-9300 series

### Texas Instruments

TI-80  
 TI-81  
 TI-82  
 TI-83  
 TI-84  
 TI-85  
 TI-86  
 TI-89  
 TI-NSpire

**Note:** This list will be updated, when necessary, to include new allowable machines.

Unacceptable machines include the following:

- Powerbooks and portable computers
- Pocket organizers (Wizard, etc.)
- Electronic writing pads or pen input devices (Newton, etc.)
- Devices with QWERTY keyboards (HP-95, TI-92, etc.)
- Cell phones and tablets with internet capability.