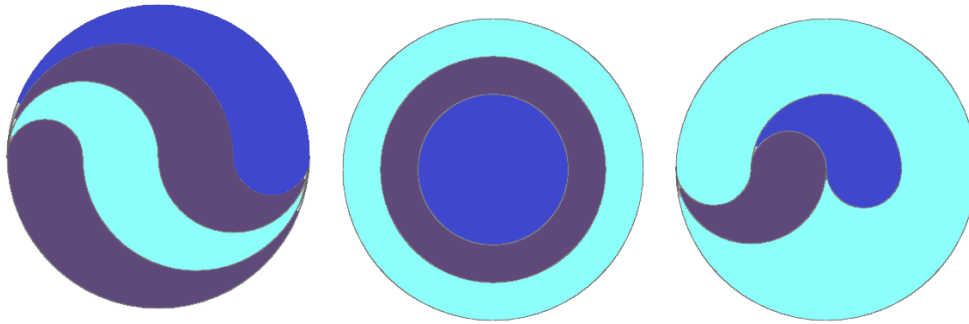




NOW AND AGAIN NEWS

March 2021



An Irrational Contest

Pi Day is coming soon, and we are debating whether pi is the only special constant deserving of the limelight. Are there other irrational number favorites that we should be celebrating?

Consider phi, a.k.a. the golden ratio, a ratio of lengths which is thought to be pleasing to the eye. Phi is found in the structure of flower petals, shells, trees, and even the human body. Take the measure of your elbow to the farthest finger tip and the measure of your wrist to the same finger tip and divide to get a ratio close to phi. The number e is another with some celebrity status among the math-minded. For example, Google started its first public offering with a nod to e , by planning to raise \$2,718,281,828¹. Let's not leave out pi's cousin tau (2π). Some say that putting pi in our formulas instead of tau was a historical accident. We claim that there is an infinite number of noteworthy irrationals.

On Pi Day, March 14th, we're planning to kick off some competitive and irrational problems and activities. The picture above is part of one of them. Students will have from Pi Day to Feigenbaum Constant Day (April 4th) to send us your work. Prizes will be awarded and friends will be made! Watch for details in UB Learns on March 14th.

¹see Forbes: <https://www.forbes.com/sites/jayritter/2014/08/07/googles-ipo-10-years-later/?sh=325462472e6c>





Distinguished Accomplishments

Alveena Ahmed, Eric Bhandari, Soumyadeep Bhattacharjee, Warren Bushley, Jong Moon, Henrietta Rasmusson, Angel Zheng (GMP I-III) progressed to the chapter invitational level of the MATHCOUNTS competition!

Aidan Beecher (GMP VI) was nominated by his high school for the Youth Humanitarian Award – in Memory of Stanley Marcus!

Brandon de Jong (GMP I) was named to both the ECMEA Jr. High All-County Band and the NYS Band Directors Association bands for his euphonium performance!

Ozzy Enis (GMP II) received an A+ rating for a saxophone solo submitted to the Erie County Music Educator's Association All-County Brass/Woodwinds competition!

Talula Enis (GMP I) celebrated her Bat Mitzvah this past November!

Augustus Falvo (GMP II) received the merit based Presidential Scholarship to Canisius High School and to St. Joseph's Collegiate Institute!

Adam Hakansson, Sumitra Pandit, Inwoo Shin, and Yolanda Wang (GMP V) won their first Williamsville North Mock Trial competition!

Nate Pantano (GMP VI) has been accepted to attend Canisius High School in the fall!

Henrietta Rasmusson (GMP I) created a movie for the PTA Reflections Program. The movie received the Award of Excellence at the regional level, and has now moved on to the NY State PTA Competition!

Inwoo Shin (GMP V) co-founded the Medical Outreach Program to engage students interested in the medical field. The program has almost 50 members from Buffalo to Rochester!

Colleen Stewart (GMP VI) earned a spot in the ECMEA All-County Senior High Band for her second and final time. She has also performed in the All-County Junior High North Band and the Area-All State Senior High Band!

Ming Yang (GMP IV) is invited to write the 2021 Canadian Mathematical Olympiad. The top 75 students on the Qualifying Repêchage each year are invited!





AMC 10 & 12 Winners

This year, GMP offered the American Mathematics Contest (AMC) 10 & 12 to students in GMP 3 through GMP 6.

The AMC 12 contest winners are:

1st Place: Anu Kumar, GMP VI

2nd Place: Allison Li, GMP V

3rd Place: Vivian Zheng, GMP Grad

The AMC 10 contest winners are:

1st Place: Sophie Zhu*, GMP Grad

2nd Place: Soumyadeep Bhattacharjee*, GMP III, and Ming Yang*, GMP IV

3rd Place: Matthew Li*, GMP III

*Further congratulations to Sophie, Soumyadeep, Ming and Matthew who qualified for the American Invitational Mathematics Exam (AIME)!

Calendar Mentions

- There are no GMP classes on April 5th and 7th.
- GMP VI Virtual Graduation Ceremony will be held on Thursday, May 6th from 7:00-8:30 p.m.

Registration forms for last year's college credit
AND for next year GMP participation are due
Thursday May 13th!

