ANNOUNCEMENT OF THE 46th
PROFESSOR JOHN STEINER GOLD MATHEMATICAL COMPETITION

WEDNESDAY – MARCH 13, 2019
Snow Make-up Day – Friday – March 15, 2019

The Professor John Steiner Gold Mathematical Competition is sponsored by Bucknell University and the Pennsylvania Beta Chapter of Pi Mu Epsilon, the national honorary mathematics society, in memory of the late Professor John Steiner Gold. Professor Gold, a native of Turbotville, taught at several area high schools before joining the faculty at Bucknell, where he served with distinction for nearly half a century. In the spirit of his life-long work, this competition was established to discover and to encourage mathematical talent and to give public recognition to those who achieve in mathematics.

The competition is open to all area high schools, public and private. Each school may enter up to three students, who will compete for both team and individual prizes. A school entering fewer than three students can still compete as a team although it is more difficult to win the team competition. As everyone also competes individually, even students without a full team should be encouraged to participate. **THERE IS NO FEE for this EVENT.**

 Note: START TIME: The competition will be in the form of a written examination**. The exam will be given on WEDNESDAY March 13, 2019 from 9:30 to 11:30** in the auditorium of the Vaughn Literature Science Building, Bucknell University. **PLEASE Register between 8:15 – 9:15 in front of the auditorium.** During that period, the students' escorts may wish to join members of Bucknell's mathematics department for refreshments in Willard Smith Library. Following the examination, the participating students and their escorts will be invited to a **complimentary lunch** at the Langone Center Cafeteria as our guests.

The examination will not presuppose any knowledge of mathematics beyond the usual high school curriculum. However, it includes non-routine and stimulating problems which are intended to foster both creativity and interest in mathematics. Copies of previous examinations are available upon request to help the schools select and prepare participants. Instructors may also help their students prepare by having them consider topics in their textbooks that are sometimes omitted from class work, e.g., sequences, arithmetic and geometric progressions, permutations and combinations, and elementary probability. Instructors who actively encourage and prepare a group of students for participation will find the competition a worthwhile and rewarding co-curricular activity.

Awards: The schools entering the first, second and third place teams and 2 Honorable Mention Teams will receive appropriate plaques. The rankings of the five highest scoring individual contestants will be announced, and each of these students will receive a certificate and a suitably inscribed book.

A number of additional schools and individual contestants will be awarded certificates of honorable mention; the individuals will also receive book prizes. In addition, a book and a certificate of recognition will be sent to the highest scoring contestant from each school, unless he or she is already included in another category of individual winners.

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