
Virginia Tech Math Contest, Oct. 25

Location: LSU Campus, TBA Registration Deadline: Oct. 1

Putnam Exam, Dec. 6

Location: Lockett Hall Registration Deadline: Oct. 8

** Problem-Solving Seminar **

Every Wednesday, 5:30 - 7:10 P.M. Third-Floor Lockett Lounge

Open to any **Undergraduate** Student

Free Pizza and Soda provided!!

Are you interested in challenging and fun Math Problems? Attend the weekly Problem-Solving Seminar and sign up to represent LSU in national Competitions! Everyone is welcome: you do **not** need to be a math major, and only Calculus (MATH 1550) is required!

Learn how to solve problems like these:

- Evaluate

$$\int_0^{\sqrt{\frac{\pi}{2}}} \sin(x^2) + \sqrt{\frac{2}{\pi} \arcsin\left(\sqrt{\frac{2}{\pi}}x\right)} dx = ?$$

- There is something remarkable about the following sequence:

$$11 - 2, \quad 1111 - 22, \quad 111111 - 222, \quad \dots$$

What is special about these numbers?

- Without using a calculator, determine which quantity is larger:

$$2^{3^{4^5}} \quad \text{or} \quad 5^{4^{3^2}} ?$$

To register or learn more about the Competitions, please feel free to attend the Problem-Solving Seminar or write to Professor Karl Mahlburg.

Contact: mahlburg@math.lsu.edu

Website: www.math.lsu.edu/~mahlburg/teaching/2014-Putnam.html
