

A FOCUS on MATHEMATICS SEMINAR

The Geometry of Voting

Presented by:

Mike Spillane of Watertown High School
Dan Wulf of Watertown High School
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Date:

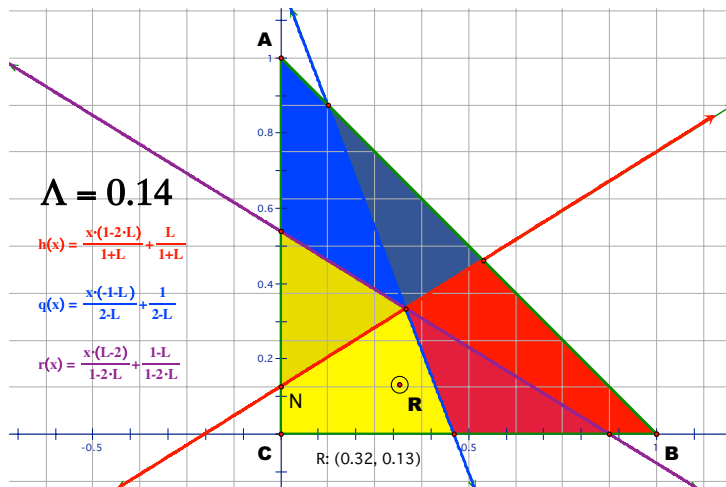
Monday October 25, 2004

Place:

CUNNIFF SCHOOL
246 Warren Street
WATERTOWN

Time:

3:00 – 6:00 PM



If more than two candidates run for office, different methods of evaluating the returns (round robin counts, weighted voting, etc.) can lead to different winners. In this seminar, we'll examine voting schemes and show how to keep track of their outcomes using elementary algebra and geometry.

By the end of the seminar, we'll have answered the burning question:

"Who came in fourteenth in the 2004 Summer Olympics: Romania, Spain, or Hungary?"

This seminar is the outcome of our *Focus on Mathematics* study group at Watertown High School. Our main tool for developing conjectures was Geometers' Sketchpad, and the main tool for proving them was our brains.

DEADLINE FOR REGISTRATION IS OCTOBER 19TH, BUT SPACES WILL BE FILLED ON A FIRST COME BASIS. PLEASE CONTACT YOUR DISTRICT LEADER FOR REGISTRATION. MORE INFORMATION AND DIRECTIONS TO CUNNIFF SCHOOL CAN BE FOUND AT WWW.FOCUSONMATH.ORG.

REFRESHMENTS WILL BE SERVED FROM 3:00 TO 3:20, AND THE SEMINAR WILL BEGIN PROMPTLY AT 3:30.



Focus on Mathematics is a unique partnership of mathematicians and educators from Boston University, Education Development Center, Inc., Worcester Polytechnic Institute, UMass Lowell, Lesley University, and five Greater Boston school districts: Arlington, Chelsea, Lawrence, Waltham, and Watertown.



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