



## Cornell University

K-12 Education and Outreach, Mathematics Department

### **MATH 5080 – Mathematics for Secondary School Teachers**

April 9, 2016 ◆ 9:00 am – 2:30 pm (lunch provided) ◆ 406 Malott Hall

**8:45 – 9:00 am**      **Bagels & Juice (provided)**

**9:00 – 9:15 am**      **Introductions**

**9:15 – 11:45am**      **What is High-School Algebra? Findings from an Analysis of Six Textbook Series**

We know what the CCSS-M says about the content of high-school algebra courses. But what exactly is in the textbooks? In this session results will be shared from a textbook analysis project in which EVERY item in each of six popular textbook series has been examined and classified in terms of content, cognitive behavior of students as they solve the problems, presence of real-world context, and use of tools to solve the problems (technology and manipulatives). Implications for practice will be discussed.

**Speakers: Mary Ann Huntley & Maria Terrell (Cornell University)**  
**Jennifer Mayer (Christiana High School, Delaware)**

**11:45 am – 12:15 pm**      **Lunch (provided)**

**12:15 – 2:25 pm**      **Trig With a Twist**

This session will engage participants in a hands-on-approach to investigating some fundamental concepts from trigonometry. Participants will walk away with a concrete example of a radian. Participants will also use Wikki Sticks, right triangles, and a unit circle to create the graphs of sine and cosine.

**Speaker: Jodelle (Jody) S. W. Magner (Buffalo State College)**

**2:25 – 2:30 pm**      **Wrap-Up**

**RSVP by Friday, April 1, 2016**

**Registration Form:** <https://www.math.cornell.edu/m/Community/5080#form>

**Questions? Contact Mary Ann Huntley** (huntley@math.cornell.edu)