

## Finding the Write Answer: Writing in Mathematics For Grades 9–12



**Featuring Delta Education Presenters  
Polina Sabinin and Rebecca Steinitz**  
**Wednesday, March 28, 2018**  
**at the MSAA Office, Franklin**

**Sign-In/Registration:** 8:00 am to 8:30 am  
**Workshop:** 8:30 am to 3:00 pm  
**Fees:** Member \$195/Non-Member \$260

6 Professional Development Hours | PD Content Area: *Mathematics*

Literacy is at the heart of learning and understanding mathematics. In fact, it is the Guiding Principle #3 in the 2017 Massachusetts Frameworks for Mathematics: Students should have frequent opportunities to discuss and write about various approaches to solving problems, in order to help them develop and demonstrate their mathematical knowledge, while drawing connections between alternative strategies and evaluating their comparative strengths and weaknesses.

Developing an authentic literacy practice in the mathematics classroom directly supports and enhances deep learning of mathematics and is essential to effective implementation of the Common Core State Standards in Mathematics. In this workshop we will draw upon the literacy standards to develop meaningful lessons, activities, and assignments that weave literacy into mathematics to support deeper learning. The workshop will be led by a literacy consultant and a mathematics consultant who work together to support high school mathematics teachers. **Participants will:**

- Explore when and how to teach vocabulary so that students will own the words and use them fluently and precisely to communicate mathematical ideas.
- Use the Common Core text types to create purposeful and authentic assignments that integrate mathematics content, vocabulary, and the Standards for Mathematical Practice.
- Acquire a set of strategies that can be immediately implemented in their classroom, as well as a framework for creating new lessons and assignments.

**Dr. Polina Sabinin** is an Associate Professor of Mathematics at Bridgewater State University. She is a faculty fellow at the Office of Teaching and Learning at BSU. Through her outreach at the Center for the Advancement of STEM Education at BSU, Polina works with in-service and pre-service teachers at all grade levels. Polina is also the state director for the international Math Kangaroo Olympiad. Polina has served as the Associate Director of the Center for Mathematics Achievement at Lesley University. She is currently co-authoring *LogicGym*, a teacher's manual that introduces students to logic through an engaging visual game. Polina earned her Bachelor of Science in biology with a minor in mathematics from the University of Calgary where she also earned a Master's degree in oncology. Her doctorate research focused on mathematics education, specifically children's development of algebraic and proportional reasoning.

**Rebecca Steinitz** is a literacy consultant in urban high schools, where she emphasizes discipline-specific reading, writing, and vocabulary practices and literacy as a support for content learning. She has a Ph.D. in English from University of California, Berkeley. She was previously a writing coach at WriteBoston, Director of the High School Teacher Education Program at Lesley University's School of Education, and an English professor at Ohio Wesleyan University, where she directed the Freshman Writing Program.

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