

1086-F1-1065 **Randall E Cone*** (conere10@vmi.edu), 439 Mallory Hall, Virginia Military Institute, Lexington, VA 24450. *The Open Math Lab: Building an IBL-Based Tutoring Center.*

Inquiry-Based Learning (IBL) is an approach to teaching that focuses on student-centered activities, oftentimes occurring in the classroom, which are designed to facilitate active learning. In the context of mathematics teaching, many of these activities are explicitly crafted to foster Mathematical Habits of Mind (MHoM). Due to an overwhelming need on the behalf of our institution's students, we began the process two years ago of creating a new tutoring facility entirely dedicated to mathematics. After a careful and thoughtful design process, the Open Mathematics Laboratory (OML) was established, with IBL as its pedagogical foundation. Three major questions surrounding the above processes are discussed in this presentation: what precisely are the IBL-based underpinnings for the OML? What are the day-to-day challenges that students and tutors experience in the OML? How has the OML been received by students, faculty, and administrators? (Received September 18, 2012)