

1067-F1-2399 **Brandy S Wieggers*** (brandy@msri.org), 17 Guass Way, Berkeley, CA 94720, and **Yuan-Juang Yvonne Lai** (yxl@umich.edu). *San Francisco Math Circle (SFMC) Mathematics and Community Attitudes Survey and Evaluation Tool*. Preliminary report.

San Francisco Math Circle (SFMC), an after-school program for teachers and precollege students, strives to increase the quality and quantity of students who become mathematics educators and researchers, or who simply love and use mathematics in their studies, work and daily activities. SFMC's unique model both relies upon and supports its teacher participants. Our teachers transport and recruit student participants. In turn, we provide a unique professional development opportunity and supportive mathematical pedagogical environment.

Our objective at SFMC is to develop a safe mathematical community for all participating students and teachers. To measure our effectiveness at achieving this community and of changing student participants' mathematical attitudes we have created a strategic Math Circle participant survey. We gave the initial survey to Spring 2010 SFMC students. The Summer was used to review survey results and survey design. The resulting survey upgrades were administered in Fall 2010 and will be administered again in Spring 2011 with specific focus given to changes in individual student participant self assessment of achievement/ motivation as a result of Math Circle participation. We look forward to sharing our survey tool and initial results at the meeting. (Received September 23, 2010)