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Greg Mayer* (greg.mayer@ceismc.gatech.edu), Georgia Institute of Technology, CEISMC, 760 Spring Street, Suite 217, Atlanta, GA 30308. *Experimenting with Graded Group Work in Online Synchronous Math Recitations*. Preliminary report.

In an effort to increase student engagement, group work activities are presently being explored in a small section of an online undergraduate level course that covers linear algebra and calculus concepts. The 16 high achieving high school students enrolled in this section, all of whom have completed AP Calculus, were loaned graphics tablets for the semester so that graded group work activities could be facilitated in their recitations, which are held twice per week. Recitations were offered through web conferencing software that enabled students to communicate with text chat, voice, and a shared whiteboard. Analysis of student grades and feedback collected through two online surveys will be presented to describe 1) ways to refine the recitation activities to better promote student learning, 2) whether recitation activities for students are successful in adequately preparing students for course assessments (assignments, quizzes, and final exam), 3) ways recitation activities can be designed based on students' learning goals, and 4) whether the collaborative learning activities lead to an increased level of interest in recitations among high school students. (Received September 21, 2012)