I am pleased to submit the final report on the Math Refresher Workshops held this past year. Based upon the results tabulated from all of the math workshops, it’s clear that they were well-received and very successful. Specifically, the data demonstrated the following results:

1. Tests scores increased for almost every student who re-tested following the workshop.
   - 81% of all students who re-tested after attending a workshop raised their math placement by one or more levels.

2. Students who attended a workshop before taking their test for the first time placed in higher levels math classes that those students who took the test prior to attending a workshop.
   - 46% of the students who took the Math Assessment test for the first time after attending a workshop placed into college level math or MAT 040. Of the students that took the test prior to attending a workshop only 8% of those students tested into college math or MAT 040.

   The data for math placement levels of students testing into the two lowest levels of developmental math (MAT 010 and MAT 020) was even more striking.
   - 72% of the students that took the assessment test for the first time prior to attending a math workshop tested into MAT 010 or MAT 020 while only 25% of the students tested into one of these levels after attending a workshop.

As I stated in my initial progress report, Patti McCormick developed the curriculum and class materials for the workshops during the fall 2004 semester. Following the workshops last winter, Patti suggested that we make the class materials available to students prior to attending the workshop so they could review them ahead of time. In addition, we decided to make the handouts available to all students as a way to prepare for the Math Placement test even if they had not signed-up for a workshop. This has proven to be very helpful for students who could not attend a workshop or felt that they could study and prepare on their own. This left more seats open for those students who really needed to attend a workshop.

While we have no hard data to support this observation, it was clear that students coming to the Advising Center following their math assessment test appeared less
frustrated in general about the results of their test scores this past year as compared with those from summer 2004. Certainly, some were still disappointed that they did not test better, but they did not seem to be as upset as they may have attended a workshop and/or knew the full impact of the test on their math placement level. It was our impression that the Math Refresher Workshops diffused some of the frustration that students felt about math because it offered them a viable option to score at their highest level. It is our belief that having students placed in the appropriate math level not only enhances their educational experience at 4C’s but also increases student retention and persistence rates.

In closing, on behalf of Mary Olenick, Terri Huff and Patti McCormick, I would like to extend our sincere thanks and appreciation for your generous support of our grant proposal. Through this grant we have been able to provide Math Refresher Workshops to approximately 234 students. In addition, your financial support allowed us to demonstrate the need and overwhelming success of these workshops. This provided the data we needed to gain full funding from the college to offer 30 Math Refresher Workshops over the next twelve months to accommodate all incoming 2006 applicants!!