A. ACTIONS TAKEN TO IMPROVE STUDENT LEARNING
What actions did you take in 2012-2013, based on previous assessment findings, to improve student learning in your program? (Refer back to plans indicated in “Response to Assessment Findings” in 2011-2012 Assessment Report.)

One student completed the Mathematics Graduate Program during 2012-2013. (Four students will complete the program during the 2013-2014 academic year.) No significant changes were made to the program based on the experiences of this student.

B. STUDENT LEARNING OUTCOMES ASSESSED AND EXAMINED
Which Program Level Student Learning Outcomes did you assess and examine during 2012-2013? List the Program Level Student Learning Outcomes using the format of “Graduates will be able to _______________________.

Graduates will be able to communicate effectively, demonstrate mathematical literacy and evaluate arguments and evidence critically.

C. METHODS FOR COLLECTING DATA
Which students were included in the assessment? (For example, all seniors completing Course X in Spring 2013, all graduating seniors, etc.)

This assessment covers graduate students who completed the program during 2012-2013. There was only one student.

D. ASSESSMENT MEASURES

• What key assessments/assignments/student work did you examine to directly assess the Program Level Student Learning Outcomes listed above?

• Comprehensive exams, administered at the end of the program, have always been used to assess student achievement. There are three exams covering three areas of mathematics from the program of study. This student was successful in passing these exams, thereby demonstrating the ability to understand mathematical concepts and write correct mathematical arguments.

• What, if any, indirect assessments (e.g. exit survey, alumni survey, focus groups, etc.) did you use to indirectly assess the Program Level Student Learning Outcomes listed above?

• No indirect assessments were used this year. Exit surveys or exit interviews will be used in the future (and have been used in the past).

E. SIGNIFICANT FINDINGS
What did you find from your assessments? What did your data reveal about how well students are achieving the Program Level Student Learning Outcomes that you listed above?

The student in question had achieved the stated goals of the program, but probably was more capable than his overall coursework indicated.

F. DISCUSSION OF RESULTS
How were results shared? With whom were they discussed?

Results were discussed with program faculty.

**G. ACTIONS PLANNED TO IMPROVE STUDENT LEARNING**

Based on what you learned from your assessment of the Program Level Student Learning Outcomes, what actions do the faculty in your program plan to take to improve student learning in your program/area? Describe the steps faculty have taken/will take to use information from the assessments for improvement of student performance and the program. List additional faculty meetings or discussions and planned or actual changes to curriculum, teaching methods, approaches, or services that are in response to the assessment findings.

Students have been quite successful in the program in recent years. Enrollment has increased slightly. As stated above, four students will complete the program during the coming year. This will, of course, provide more opportunity for assessment. Further increasing enrollment would allow the department to offer a wider range of courses tailored to student interests.

**H. SUPPORTING DOCUMENTS (recommended)**

Please attach minutes of program faculty meeting where discussion of results and action planning occurred and any other relevant documents.