1. Name / Number of Course / Sequence:
   MATH 1610/1617

2. SLO(s) being assessed:
   Student will be able to apply simple methods to real-world problems and be able to select and use techniques and methods to solve open-ended, ill-defined or multi-step problems.

3. Department:
   Mathematics and Statistics

4. Department Representative:
   Michel Smith

5. AGSC Content Alignment:
   AREA III: Science and Math

6. Assessment Method: [Explain how assessment for the measures associated with this SLO – not grading for the course as a whole was conducted.]

   A Pre test/ Post test design was implemented. A sample of 289 students was tested on mathematical problems that addressed the different subcategories of the relevant SLOs. Students were tracked so that the posttest could be compared with the pretest student by student. Consequently, students who only took one of the tests were removed from the data.
7. **Findings:** [What assessment data did each assessment method produce?]
   
The average score increased from 10.9 to 13.4 out of 20 questions.
   
   70.4% of the students improved.
   
   79.6% of the students did as well or better on the posttest as on the pretest. There was considerable variance between the average improvements of individual sections.

8. **How did you or will you use the findings for improvement:** [What questions / issues / concerns did your data raise for the faculty teaching the course? What discussion did the faculty have about the findings? What future actions to improve student attainment of this outcome will the department / program take as a result of this analysis?]
   
   We plan to increase the sample size in 2011-2012 and to isolate those types of questions on which the students performed poorly so that those particular topics can receive increased focus in the classroom instruction.
   
   In 2011-2012 we have increased our GTA supervision program - part of the goal is to decrease the variance across different sections.

9. **Additional comments:** [What else would you like the Committee to know about your assessment of this course or plans for the future?]
   
   None

10. **Core Curriculum General Education Committee Comments:**
    
    There was no information given as to the SLO measures and what is specifically assessed. No information on why the students did not have a pretest. Findings are reported, but due to the lack of a clear assessment methodology, the committee remained unsure if those findings were meaningful.