GLENDALE COMMUNITY COLLEGE

COURSE/PROGRAM ASSESSMENT REPORT

SEMESTER/YEAR:\_\_\_Fall 2010\_\_\_\_\_\_\_\_\_\_\_\_\_\_

DIVISION/DEPARTMENT:\_\_Math\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

COURSE or PROGRAM TITLE: \_\_Math 155\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

PARTICIPANTS : David Jones

SLO(s) ASSESSED THIS SEMESTER:

1.Students will perform arithmetic operations.

METHODS OF ASSESSMENT: Four questions on the final were examined, the questions involved whole numbers, signed numbers, decimals, and fractions

ANALYSIS OF ASSESSMENT: What do these results tell you about your students' achievements on the targeted SLO(s)?
The following tables show the questions and results of the assessment.

1a) Simplify 23 – (-34) – 17

1b) Simplify 23.3 – 32.5 + 2.452

2) Simplify

3) Find LCM of 72 and 102

4) Factor into primes: 180

The results

|  |  |  |
| --- | --- | --- |
| Problem | Correct | Percent |
| 1a | 22 | 73.3 |
| 1b | 20 | 66.7 |
| Both 1a and 1b | 14 | 46.7 |
| Missed both  | 2 | 6.7 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Problem | Full | Percent | Partial | Percent | Missed | Percent |
| 2 | 19 | 63.4 | 9 | 30 | 2 | 6.7 |
| 3 | 8 | 26.7 | 9 | 30 | 13 | 43.3 |
| 4 | 6 | 20 | 11 | 36.7 | 13 | 43.3 |

As can be seen from 1a and 1b, the students can do arithmetic of whole numbers but struggle more with decimals, which is not uncommon. The overall numbers are good.
Questions 3, 4, and 5 deal with fractions, as can be seen 93.4$ (full and partial credit) had a idea on how to proceed with 63.4% during perfectly. Only 6.7% were completely clueless. These are very good numbers, since fractions are not the favorite topic for students. Question 3 and 4 on finding LCM’s and prime factoring, which are very important in dealing with fractions with larger denominators. As question 2 shows the students are able to handle adding fractions with small denominators (the LCM of small denominators are much easier to find), but 3 and 4 suggests fractions with larger denominators would cause more problems.

PLAN: Indicate if your assessment results reveal a need for course or program improvement in order to improve student achievement, and what plans your department will make to do so.
Currently we are implementing computerized homework and testing system. This tool will allow us to focus more on the student’s weakness and provide individualized help. The software can be used to give more practice in those areas where the students are weakest.

WHAT COURSE(s) WILL YOU ASSESS IN THE FOLLOWING SEMESTER (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)? You might re-assess for the same SLO(s) with the implementation of your new plan, and/or for another SLO and/or course.