

## GBC Class/Course Assessment Report

MATH 20 Support course for Math 120E

Section Number(s): 1008

Instructor: Jinho Jung

Number of Students in the class: 15

Academic Year: 2021-2022

Semester: Fall 21

Course and general education outcomes are counted as achieved if 62% or more of students answered the problems associated with the outcome correctly. As needed, please attach supporting documents and/or a narrative description of the assessment activities. All the learning outcomes must be completed otherwise the assessment is considered as incomplete.

Class/Course Outcomes	Assessment Measures	Course Outcome Assessment Results	Outcome Results
In the boxes below, summarize the outcomes assessed in your class or course during the last year. If this is a GenEd class, include the appropriate GenEd objectives.	In the boxes below, list the proctored assignments and which problems on those assignments you used to assess each outcome.	In the boxes below, give the percentage of students who answered the problems correctly and indicate if the course outcome was achieved.	In the boxes below, please reflect on this outcome's results and summarize how you plan to use the results to improve student learning
<b>Outcome #1: Correctly execute arithmetic operations using rational and real numbers.</b>	Proctored assignment: Final Exam  Problem numbers: 8.3.3 8.3.11 10.2.23	Results: Average percentage: 62.5%  Criterion Met: <b>Yes</b>	1. Results Analysis: Students were able to calculate simple interest and used formulas to execute arithmetic operations  2. Action Plan:
<b>Outcome #2: Evaluate and simplify expressions involving exponents.</b>	Proctored assignment: Final Exam  Problem numbers: 10.4.13 10.4.23 10.5.9	Results: Average percentage: 45.8%  Criterion Met: <b>No</b>	1. Results Analysis: Students struggled calculating expressions involving exponents. They were finding a circle's circumference and volumes of three-dimensional figures.  2. Action Plan: I am planning to address the problems regarding this topic at the study group while interacting with students.

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<p><b>Outcome #3:</b> Simplify Algebraic expressions.</p>	<p>Proctored assignment: Final Exam</p> <p>Problem numbers: 12.2.3 12.2.18</p>	<p>Results: Average percentage: 100%</p> <p>Criterion Met: <b>Yes</b></p>	<p>1. Results Analysis: Students showed excellent performance in simplifying algebraic expressions while determining mean or median for a data set .</p> <p>2. Action Plan:</p>
<p><b>Outcome #4:</b> Solve linear equations in one variable.</p>	<p>Proctored assignment: Final Exam</p> <p>Problem numbers:  9.1.9 9.1.21 9.2.11 9.3.49</p>	<p>Results: Average percentage: 71.9%</p> <p>Criterion Met: <b>Yes</b></p>	<p>1. Results Analysis: Students showed above the average performance on this topic.</p> <p>2. Action Plan:</p>
<p><b>Outcome #5:</b> Solve rational equations</p>	<p>Proctored assignment: Final Exam</p> <p>Problem numbers: 10.6.37 10.2.23</p>	<p>Results: Average percentage: 56.6%</p> <p>Criterion Met: <b>No</b></p>	<p>1. Results Analysis: Students did not perform well in solving problems involving Pythagorean theorem.</p> <p>2. Action Plan: I am planning to address more problems in chapter 10 for students' understanding in this topic.</p>
<p><b>Outcome #6</b> Implement effective study skills to succeed in college level mathematics courses.</p>	<p>Proctored assignment: Assignments in study skills</p> <p>Problem numbers: All questions used in the study skills assignments.</p>	<p>Results: Average percentage: 95%</p> <p>Criterion Met: <b>Yes</b></p>	<p>1. Results Analysis: Students showed excellent performance in study skills assignments.</p> <p>2. Action Plan:</p>

### Notes:

There were two learning outcomes in this courses, outcome 2 and 5 that the performance criteria were not achieved. These learning outcomes are to evaluate and simplify expressions involving exponents and Solving rational equations. I am planning to focus on these problems related to the topics in my study group that will be set every Saturday.

**GBC Class/Course Assessment Report**

I have reviewed this report:

\_\_\_\_\_  
Department Chair

Date \_\_\_\_\_

\_\_\_\_\_  
Dean

Date \_\_\_\_\_

\_\_\_\_\_  
Vice President of Academic Affairs and Student Services

Date \_\_\_\_\_