MATH 102 General Studies Assessment Report
Fall 2017
Barton Willis

Introduction   For fall 2017, the GS assessment portion of the final exam for MATH 102 used the same questions that were used in fall 2014.[1] Each course instructor evaluated the GS assessment portion for their own students. In ten sections of MATH 102, a total of 258 students completed the final exam.

GS Program level Outcomes   Each of the five questions used for assessment relates to GS program outcome One (Evaluate information appropriate to the task).

GS Math Outcomes   The five GS Math Learning Outcomes are:

1. Apply mathematical logic to solve equations.
2. Describe problems using mathematical language.
3. Solve problems given in mathematical language using mathematical or statistical tools.
4. Interpret numerical data or graphical information using mathematical concepts and methods.
5. Construct logical arguments using mathematical language and concepts.
6. Use mathematical software effectively.

Results   Figure 1 summarizes the results for the 258 students who took the final exam. Except for Question 4, each question had more than one part. Specifically, Question 1 had four parts, Question 2, seven parts, Question 3, two parts, Question 4, one part, and Question 5, two parts. Weighting each equation by its number of parts, Figure 2 shows a weighted percent of students who were Proficient or Advanced for each of the five math learning outcomes.

Math Outcome	Question	0–19%	20–39%	40–59%	60–79%	80–100%	Percent Proficient or Advanced
1,3,5,6	1	4	17	35	59	143	78%
1,2,3,4,5,6	2	9	35	36	58	120	69%
1,2,3,4,5,6	3	13	18	55	52	120	67%
1,3,5,6	4	17	24	27	57	133	74%
1,4	5	7	27	26	51	147	77%

Figure 1: For each question (one through five) columns three through seven show the number of students who earned an evaluation of Did not Meet Criteria (0–19%), Beginning (20–39%), Developing (40–59%), Proficient (60–79%), or Advanced (80–100%). The final column shows the number of students who earned an evaluation of at least proficient (60–100%). All percents were rounded to the nearest integer.

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[1]For security of the assessment, the questions are not included in this report.

Math Outcome	Percent Proficient or Advanced
1	72%
2	68%
3	72%
4	70%
5	72%

Figure 2: For each of the five Math learning outcomes, this table shows the weighted percent of students who were either proficient or advanced. All percents were rounded to the nearest integer.