**Quantitative Reasoning: Basic Computation**

**Goals:**

Students develop skills in quantitative literacy and logical reasoning, including the ability to identify valid arguments, and use mathematical models.

**Expected Learning Outcomes:**

1. Students demonstrate computational skills and familiarity with algebra and geometry.
2. Students apply these skills to practical problems.

***Scoring Rubric:***

Assessment of GE Quantitative Reasoning: Basic Computation Courses

This scoring rubric is designed to help instructors and members of relevant committees assess how well students are meeting the ELOs as reflected in direct assessment methods. Students are not expected to have acquired all the knowledge, skills, and attitudes/perspectives listed under the various ELOs in order to complete the assignment satisfactorily. At a minimum, students are expected to meet Milestone 2.

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| --- | --- | --- | --- | --- |
|  | Capstone(4) | Milestone (3) | Milestone(2) | Benchmark (1) |
| **(ELO 1)** **Students demonstrate computational skills and familiarity with algebra and geometry.** | Student demonstrates sophisticated computational skills and understanding of algebra and geometry.  | Student demonstrates satisfactory computational skills and understanding of algebra and geometry.  | Student demonstrates computational skills and some familiarity with algebra and geometry.  | Student demonstrates only basic computational skills and limited familiarity with algebra and geometry.  |
| **(ELO 2)****Students apply these skills to practical problems.** | Student demonstrates superior capability to apply these skills to practical problems. | Student is able to adequately apply these skills to practical problems.  | Student attempts to apply these skills to practical problems.  | Student is unable to apply these skills to practical problems. |