GEO 3 (Contextual Competence): Demonstrate computational

skills and mathematical reasoning.

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| **Outcome** | **The Student** | **Assignment/ Measures** | **Success Criteria** | **Student Outcomes** | **Revisions/ Improvements** |
| **Mathematical Concepts and Tools** | ● Performs accurate calculations to solve problems.  ● Interprets and draws inferences from mathematical models such as formulas, graphs, tables and schematics.  ● Predicts using estimation and checks mathematical results for reasonableness; recognizes the limits of mathematical and statistical methods. |  |  | \_\_\_\_ of \_\_\_\_ students met the success criteria. |  |
| **Language of Mathematics** | ● Provides accurate explanations of information presented in various mathematical forms.  ● Makes appropriate inferences based on mathematical information in connection with the argument or purpose of the work. |  |  | \_\_\_\_ of \_\_\_\_ students met the success criteria. |  |
| **Problem - Solving and Mathematical Modeling** | ● Correctly and completely solves problems using the most appropriate methods and communicates outcomes in a clear, concise manner  ● Presents work in a coherent format.  ● Makes accurate inferences and identifies flaws, including missing information.  ● Uses appropriate technology to support problem solving. |  |  | \_\_\_\_ of \_\_\_\_ students met the success criteria. |  |
| **Connections** | ● Converts relevant information into appropriate models.  ● Draws valid conclusions based on data analysis and critically evaluates conclusions made by others.  ● Recognizes how assumptions can affect the validity of results. |  |  | \_\_\_\_ of \_\_\_\_ students met the success criteria. |  |