

**General Education**  
**Mathematical Methods Rubric**

**2** – Student demonstrates exemplary mathematical methodology ability by consistently doing all of the following:

- Identifying the appropriate mathematical concepts necessary to solve the problem.
  - Demonstrating a complete understanding of the mathematical properties that apply to the problem.
  - Outlining the calculation steps with no errors or omissions.
  - Clearly providing appropriate use of mathematical terminology and notation.
  - Accurately deriving mathematical solutions.
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**1** – Student demonstrates mathematical methodology ability by doing the majority of the following that apply:

- Identifying the appropriate mathematical concepts necessary to solve the problem.
  - Demonstrating a complete understanding of the mathematical properties that apply to the problem.
  - Outlining the calculation steps with no errors or omissions.
  - Clearly providing appropriate use of mathematical terminology and notation.
  - Accurately deriving mathematical solutions.
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**0** – Student does not demonstrate mathematical methodology ability by making any of the following errors that apply:

- Misidentifying the appropriate mathematical concepts necessary to solve the problem.
- Demonstrating no understanding of the mathematical properties that apply to the problem.
- Failing to outline the calculation steps or outlining with errors and/or omissions.
- Lacking appropriate use of mathematical terminology or notation.
- Deriving inaccurate mathematical solutions.