### Holistic Rubric for 3-Point Reasoning Items

<table>
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<th>Points</th>
<th>Criteria</th>
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| 3 Points | A three-point response for reasoning items provides evidence of correct, complete, and appropriate mathematical reasoning.  
  The response:  
  • is clear and well developed with logical reasoning communicated by the use of precise and appropriate representations, symbols and/or drawings, and correct mathematical vocabulary; AND/OR  
  • may contain minor flaws that do not detract from the correct reasoning or demonstration of a thorough understanding. |
| 2 Points | A two-point response for reasoning items provides evidence of partially correct mathematical reasoning.  
  The response:  
  • is clear and displays correct reasoning; AND  
  • contains minor flaws in the mathematical procedures or the reasoning process is incomplete. |
| 1 point | A one-point response for reasoning items provides limited evidence of correct mathematical reasoning.  
  The response:  
  • demonstrates the beginning of a valid chain of reasoning; AND/OR  
  • reflects a lack of essential understanding of the underlying mathematical concepts; AND/OR  
  • contains the correct solution, but work is limited or missing; AND/OR  
  • contains errors in the fundamental mathematical procedures or reasoning, or other omissions or irregularities that cause an inadequate solution and/or reasoning. |
| 0 Point | A zero-point response is completely incorrect, incoherent and/or irrelevant. |
## Holistic Rubric for 4-Point Reasoning Items

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| 4 Points | A four-point response for reasoning items provides evidence of correct, complete, and appropriate mathematical reasoning. The response:  
- is clear and well developed with logical reasoning communicated by the use of precise and appropriate representations, symbols and/or drawings, and correct mathematical vocabulary; AND/OR  
- demonstrates a thorough understanding of the mathematics; AND/OR  
- is precise and free from error. |
| 3 Points | A three-point response for reasoning items provides evidence of essentially correct, complete, and appropriate mathematical reasoning. The response:  
- is clear and developed with logical reasoning communicated by the use of precise and appropriate representations, symbols and/or drawings, and correct mathematical vocabulary; AND/OR  
- may contain minor flaws that do not detract from the correct reasoning or demonstration of a thorough understanding. |
| 2 Points | A two-point response for reasoning items provides evidence of partially correct mathematical reasoning. The response:  
- is clear and displays correct reasoning; AND  
- contains minor flaws in the mathematical procedures or the reasoning process is incomplete. |
| 1 point | A one-point response for reasoning items provides limited evidence of correct mathematical reasoning. The response:  
- demonstrates the beginning of a valid chain of reasoning; AND/OR  
- reflects a lack of essential understanding of the underlying mathematical concepts; AND/OR  
- contains the correct solution, but work is limited or missing; AND/OR  
- contains errors in the fundamental mathematical procedures or reasoning, or other omissions or irregularities that cause an inadequate solution and/or reasoning. |
| 0 Point | A zero-point response is completely incorrect, incoherent and/or irrelevant. |