Mathematics Grading Rubric

Overview:
Your work will be graded holistically using a simple rubric (see right) consisting of a 5 point scale from 1 (for failing work *) through 5 (for “outstanding” work). The grade will account for execution, communication, and correctness. To earn a 5, your work must be well-executed, well-communicated, and essentially correct as defined below. The rubric may also provide feedback (via a sliding scale) on the quality of your communication to help you improve in this area.

Definitions:

Well-Executed
- Applies a **strategy** that makes sense for the given question
- Applies appropriate mathematical concepts and processes
- Does not introduce superfluous material
- Technology is used appropriately
- Work is logical and includes a sanity check of the final answer

Well Communicated
- **Readable**: Work stands alone (retains context) and is neat and professional in appearance
- **Organized**: Provides a clear logical flow from beginning to end
- Provides sufficient supporting detail and explanation throughout
- Work is free from grammatical errors
- Mathematical composition, terminology, and notation is correct
- Results and/or conclusions are clearly annotated

Essentially Correct
- **Precision**: Performs mathematical operations correctly and derives the correct results
- Uses an appropriate degree of accuracy
- Draws correct inferences from graphical or numerical data
- Any computational or algebraic errors are trivial and isolated
- Correct units are used

Score Descriptors:

<table>
<thead>
<tr>
<th></th>
<th>5</th>
<th>4</th>
<th>3</th>
<th>2</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade</td>
<td>Outstanding (“A”)</td>
<td>Good (“B”)</td>
<td>Average (“C”)</td>
<td>Deficient (“D”)</td>
<td>Failing (“F”)</td>
</tr>
<tr>
<td></td>
<td>Well-executed, well-communicated, essentially correct</td>
<td>Generally well-executed but may have minor communication flaws or some math errors</td>
<td>Adequately executed but with some non-trivial errors or inconsistent communication</td>
<td>Flawed execution possibly with non-trivial errors or poor communication</td>
<td>Unsatisfactory execution and/or communication with fundamental errors</td>
</tr>
</tbody>
</table>

* Note: A blank page or complete nonsense will earn a zero on this scale.