

Portfolio Rubric

The following is a general mathematics scoring rubric that was first used in the scoring of the Wisconsin Student Assessment System Performance Assessment Development Project. This is an example of the type of rubric that could be used to evaluate each contribution to the portfolio.

<p style="text-align: center;">Score of 4- Exemplary Response</p> <ul style="list-style-type: none"> _ Complete in every way with clear, coherent, unambiguous, and insightful explanation. _ Shows understanding of underlying mathematical concepts, procedures, and structures. _ Examines and satisfies all essential conditions of the problem. Presents strong supporting arguments with examples and counter-examples as appropriate. _ Solution and work is efficient and shows evidence of reflection and checking of work. _ Appropriately applies mathematics to the situation. 	<p style="text-align: center;">Score of 3 - Competent Response</p> <ul style="list-style-type: none"> _ Gives a fairly complete response with reasonably clear explanations. Shows understanding of underlying mathematical concepts, procedures, and structures. _ Examines and satisfies most essential conditions of the problem. Presents adequate supporting arguments with examples and counter examples as appropriate. _ Solution and work shows some evidence of reflection and checking of work. _ Appropriately applies mathematics to the situation.
<p style="text-align: center;">Score of 2 - Minimal Response</p> <ul style="list-style-type: none"> _ Gives response, but explanation may be unclear or lack detail. Exhibits minor flaws in underlying mathematical concepts, procedures, and structures. _ Examines and satisfies some essential conditions of the problem. Draws some accurate conclusions, but reasoning may be faulty or incomplete. _ Shows little evidence of reflection and checking of work. _ Some attempt to apply mathematics to the situation. 	<p style="text-align: center;">Score of 1 - Inadequate Response</p> <ul style="list-style-type: none"> _ Response is incomplete and explanation is insufficient or not understandable. _ Exhibits major flaws in underlying mathematical concepts, procedures, and structures. _ Fails to address essential conditions of the problem. _ Uses faulty reasoning and draws incorrect conclusions. Shows no evidence of reflection and checking of work. _ Fails to apply mathematics to the situation. <p style="text-align: center;">Score of 0 -No Attempt</p> <ul style="list-style-type: none"> _ Provides irrelevant or no response. _ Copies part of the problem but does not attempt a solution. _ Illegible response

(Note: to receive a particular score a significant number of associated criteria must be met.)