

**Department of Mathematics, UNC Pembroke, Rubric for Evaluation of Portfolios**

**Holistic Scale**

- 4 A 4 response represents an effective solution. It shows complete understanding of the problem, thoroughly addresses all points relevant to the solution, shows logical reasoning and valid conclusions, communicates effectively and clearly through writing and/or diagrams, and includes adequate and correct computations and/or setup. It may contain insignificant errors that do not interfere with the completeness or reasonableness of the student's response.
- 3 A 3 response contains minor flaws. Although it shows an understanding of the problem, communicates adequately through writing and/or diagrams, and generally reaches reasonable conclusions, it shows minor flaws in reasoning and/or computation or neglects to address some aspect of the problem.
- 2 A 2 response shows gaps in understanding and/or execution. It shows one or some combination of the following flaws: an incomplete understanding of the problem, failure to address some aspects of the problem, faulty reasoning, weak conclusions, unclear communication in writing and/or diagrams, or a poor understanding of relevant mathematical procedures or concepts.
- 1 A 1 response shows some effort beyond restating the problem or copying given data. It shows some combination of the following flaws: little understanding of the problem, failure to address most aspects of the problem, major flaws in reasoning the lead to invalid conclusions, or a lack of understanding of relevant mathematical procedures or concepts.
- 0 A 0 response shows no mathematical understanding of the problem or the student failed to respond to the item.

*\*Approved by department: February 22, 2006 for graduate and undergraduate program.  
Adopted from Arizona Department of Education*

Student name and response: Standards addressed in this activity

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Instructor evaluation: Name \_\_\_\_\_ Score 0-4 \_\_\_\_

Program Director: Name \_\_\_\_\_ Score 0-4 \_\_\_\_