Generic Rubric – Mathematics – Open Response

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| **Code** | **Descriptor** |
|  | * blank: nothing written or drawn in response to the question
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|  | * illegible: cannot be read; completely crossed out/erased; not written in English
* irrelevant content: does not attempt assigned question (e.g., comment on the task, drawings, “?”, “!”, “I don’t know”)
* off topic: no relationship of written work to the question
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| **10** | * demonstration of limited understanding of concepts and/or procedures
* application of knowledge and skills shows limited effectiveness due to
	+ misunderstanding of concepts
	+ incorrect selection or misuse of procedures
* problem-solving process shows limited effectiveness due to
	+ minimal evidence of a solution process
	+ limited identification of important elements of the problem
	+ too much emphasis on unimportant elements of the problem
	+ no conclusions presented
	+ conclusion presented without supporting evidence
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| **20** | * demonstration of some understanding of concepts and/or procedures
* application of knowledge and skills shows some effectiveness due to
	+ partial understanding of the concepts
	+ errors and/or omissions in the application of the procedures
* problem-solving process shows some effectiveness due to
	+ an incomplete solution process
	+ identification of some of the important elements of the problem
	+ some understanding of the relationships between important elements of the problem
	+ simple conclusions with little supporting evidence
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| **30** | * demonstration of considerable understanding of concepts and/or procedures
* application of knowledge and skills shows considerable effectiveness due to
	+ an understanding of most of the concepts
	+ minor errors and/or omissions in the application of the procedures
* problem-solving process shows considerable effectiveness due to
	+ a solution process that is nearly complete
	+ identification of most of the important elements of the problem
	+ a considerable understanding of the relationships between important elements of the problem
	+ appropriate conclusions with supporting evidence
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| **40** | * demonstration of thorough understanding of concepts and/or procedures
* application of knowledge and skills shows a high degree of effectiveness due to
	+ a thorough understanding of the concepts
	+ an accurate application of the procedures (any minor errors and/or omissions do not detract from the demonstration of a thorough understanding)
* problem-solving process shows a high degree of effectiveness due to
	+ a complete solution process
	+ identification of all important elements of the problem
	+ a thorough understanding of the relationships between all of the important elements of the problem
	+ appropriate conclusions with thorough and insightful supporting evidence
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