

## Section 2: Performance Assessment in Mathematics (PAM)

### *The Final Versions of the Performance Assessment Tasks for Elementary and Secondary Education*

A Secondary version and an Elementary edition of the PAM were completed in the spring of 2003. The same scoring rubric is applicable for both assessments. Refer to Appendix B for complete information.

Drafts of two prior versions of the task and accompanying rubrics are available in Appendices D, E and F. These documents were developed in May of 2002 and October of 2002. Pilot testing of the three versions of the PAM are described in Table 3.

Table 3

#### *Characteristics Related to the Administration of the Three Pilot Studies for the PAM.*

Date	Course Used to Pilot Test the PAM	Types of Students	Number of Completed Assessments	Type of Feedback Obtained
May 2002	ED400: Educational Technology	Elementary Education Certification Students in the Professional Semester	11	Responses were reviewed by Team 1 to adjust the task and rubric.
June 2002	MAT105: Foundations in Mathematics I	Entry Level Elementary Education Certification Students	25	Responses were reviewed by Team 1 to adjust the task and rubric. A sample of low, medium, and high responses were scored by Team 1 and Team 2 to collect inter-rater reliability.

Date	Course Used to Pilot Test the PAM	Types of Students	Number of Completed Assessments	Type of Feedback Obtained
October 2002	ED400: Educational Technology	Elementary Education Certification Students in the Professional Semester	14	Responses were reviewed by Team 1 and Team 2 to adjust the task and rubric. Data were presented at CSDE meeting.
May 2003	ED400: Educational Technology	Elementary Education Certification Students in the Professional Semester	8	Responses were scored by Team 1 and Team 2 to collect inter-rater agreement.
	MAT 342: Topics in Geometry	Secondary Education Certification Students in Mathematics	9	Responses were scored by Team 1 and Team 2 to collect inter-rater agreement.

*Benchmarks of Candidates' Performances that Illustrate Each Performance Level*

The rubric includes anchor phrases to be used to assist in scoring responses to the task.

Sample performances representing each performance level (Target Performance: Fully Met, Partially Met, Not Met, No Response), for every content area of the May 2003 assessment task are included in the rubric in Appendix B.

Additionally, members of both teams responded to the tasks. These exemplary responses will be used as benchmarks for the highest possible assessment of "Fully Met." Refer to Appendix J for copies of these responses. In the future, student work will be available to represent anchor papers for each level of the scoring rubric.