Angelo State University
Department of Mathematics

Assessment of Student Teaching
Secondary Certification in Mathematics

Name of Student Teacher:

Name of Cooperating Teacher:

Semester/Year: School:

Please rate the student teacher with respect to each of the following performance criteria. It is not expected that you will be able to evaluate every item for every student teacher. Indicators for these items may be found on the National Council of Teachers of Mathematics (NCTM) website at http://www.nctm.org/uploadedFiles/Math_Standards/NCTMSECONStandards.pdf.

	Exceeds Expectations	Meets Expectations	Below Expectations	Unable to Evaluate
Knowledge of Problem Solving. The student teacher knows, understands, and applies the process of mathematical problem solving.				
Knowledge of Reasoning and Proof. The student teacher reasons, constructs, and evaluates mathematical arguments and develops an appreciation for mathematical rigor and inquiry.				
Knowledge of Mathematical Communication. The student teacher communicates his or her mathematical thinking orally and in writing to peers, faculty, and others.				
Knowledge of Mathematical Connections. The student teacher recognizes, uses, and makes connections between and among mathematical ideas and in contexts outside mathematics to build mathematical understanding.				
Knowledge of Mathematical Representation. The student teacher uses varied representations of mathematical ideas to support and deepen students' mathematical understanding.				
Knowledge of Technology. The student teacher embraces technology as an essential tool for teaching and learning mathematics.				

	Exceeds Expectations	Meets Expectations	Below Expectations	Unable to Evaluate
Dispositions. The student teacher supports a positive disposition toward mathematical processes and mathematical learning.				
Knowledge of Mathematics Pedagogy. The student teacher possesses a deep understanding of how students learn mathematics and of the pedagogical knowledge specific to mathematics teaching and learning.				
Knowledge of Number and Operations. The student teacher demonstrates computational proficiency, including a conceptual understanding of numbers, ways of representing number, relationships among number and number systems, and the meaning of operations.				
Knowledge of Different Perspectives on Algebra. The student teacher emphasizes relationships among quantities including functions, ways of representing mathematical relationships, and the analysis of change.				
Knowledge of Geometries. The student teacher uses spatial visualization and geometric modeling to explore and analyze geometric shapes, structures, and their properties.				
Knowledge of Calculus. The student teacher demonstrates a conceptual understanding of limit, continuity, differentiation, and integration, and a thorough background in techniques and application of the calculus.				
Knowledge of Discrete Mathematics. The student teacher applies the fundamental ideas of discrete mathematics in the formulation and solution of problems.				
Knowledge of Data Analysis, Statistics, and Probability. The student teacher demonstrates an understanding of concepts and practices related to data analysis, statistics, and probability.				
Knowledge of Measurement. The student teacher applies and uses measurement concepts and tools.				