

Identification Number _____

Indicate your current position: _____ Years in that position: _____

Total number of years in teaching: _____

The following items are taken from the State Board of Education: Final Regulation: Modification of Competencies in the 1998 Regulations Governing the Licensure of School Personnel.

Indicate your current level of understanding for each of the 12 criteria.

1. Understanding of the knowledge, skills, and processes of the Virginia Mathematics Standards of Learning and how curriculum may be organized to teach these standards to diverse learners;	1 Low	2	3 Average	4	5 High
2. Understanding of a core knowledge base of concepts and procedures within the discipline of mathematics, including the following strands: number systems and number theory; geometry and measurement; statistics and probability; and functions and algebra;	1 Low	2	3 Average	4	5 High
3. Understanding of the sequential nature of mathematics and the mathematical structures inherent in the content strands;	1 Low	2	3 Average	4	5 High
4. Understanding of the connections among mathematical concepts and procedures and their practical applications;	1 Low	2	3 Average	4	5 High
5. Understanding of and the ability to use the five processes – becoming mathematical problem solvers, reasoning mathematically, communicating mathematically, making mathematical connections, and using mathematical representations – at different levels of complexity;	1 Low	2	3 Average	4	5 High
6. Understanding of the history of mathematics, including the contributions of different individuals and cultures toward the development of mathematics and the role of mathematics in culture and society;	1 Low	2	3 Average	4	5 High
7. Understanding of major current curriculum studies and trends in mathematics;	1 Low	2	3 Average	4	5 High

NOTE: Survey continued on the second page.

8. Understanding of the role of technology and the ability to use graphing utilities and computers in the teaching and learning of mathematics;

1	2	3	4	5
Low		Average		High

9. Understanding of and the ability to select, adapt, evaluate and use instructional materials and resources, including professional journals and technology;

1	2	3	4	5
Low		Average		High

10. Understanding of and the ability to use strategies for managing, assessing, and monitoring student learning, including diagnosing student errors;

1	2	3	4	5
Low		Average		High

11. Understanding of and the ability to use strategies to teach mathematics to diverse learners;

1	2	3	4	5
Low		Average		High

12. Understanding of leadership skills needed to improve mathematics programs at the school and division levels, including the needs of high and low-achieving students and of strategies to challenge them at appropriate levels; child psychology, including personality and learning behaviors; educational measurement and evaluation; and effective professional development approaches;

1	2	3	4	5
Low		Average		High