Achievement Level Descriptors--Algebra II EOC Tests

Achievement Level I
Students performing at this level do not have sufficient mastery of knowledge and skills of the course to be successful at a more advanced level in the content area.

Students performing at Achievement Level I show minimal conceptual understanding, limited computational accuracy, and often respond with inappropriate answers or procedures. They rarely use problem-solving strategies successfully.

In Algebra II students apply algebraic concepts including relations, functions, polynomials, rational expressions, complex numbers, systems of equations and inequalities, and matrices. They collect and organize data to determine functions of best-fit to analyze, interpret, and solve real world problems. Students use equations of circles and parabolas to model and solve problems. They model and solve problems by using direct, inverse, combined and joint variation.

A**chievement Level II**
Students performing at this level demonstrate inconsistent mastery of knowledge and skills of the course and are minimally prepared to be successful at a more advanced level in the content area.

Students performing at Achievement Level II show inconsistency in conceptual understanding, accurate computation, and responding with appropriate answers or procedures. They demonstrate limited use of problem-solving strategies.

In Algebra II students apply algebraic concepts including relations, functions, polynomials, rational expressions, complex numbers, systems of equations and inequalities, and matrices. They collect and organize data to determine functions of best-fit to analyze, interpret, and solve real world problems. Students use equations of circles and parabolas to model and solve problems. They model and solve problems by using direct, inverse, combined and joint variation.

A**chievement Level III**
Students performing at this level consistently demonstrate mastery of the course subject matter and skills and are well prepared for a more advanced level in the content area.

Students performing at Achievement Level III generally show conceptual understanding, compute accurately, and respond with appropriate answers or procedures. They use a variety of problem-solving strategies.

In Algebra II students apply algebraic concepts including relations, functions, polynomials, rational expressions, complex numbers, systems of equations and inequalities, and matrices. They collect and organize data to determine functions of best-fit to analyze, interpret, and solve real world problems. Students use equations of circles and parabolas to model and solve problems. They model and solve problems by using direct, inverse, combined and joint variation.

Ach**ievement Level IV**
Students performing at this level consistently perform in a superior manner clearly beyond that required to be proficient in the course subject matter and skills and are very well prepared for a more advanced level in the content area.

Students performing at Achievement Level IV consistently show a high level of conceptual understanding, compute accurately, and respond with appropriate answers or procedures. They demonstrate capability by using a variety of problem-solving strategies.

In Algebra II students apply algebraic concepts including relations, functions, polynomials, rational expressions, complex numbers, systems of equations and inequalities, and matrices. They collect and organize data to determine functions of best-fit to analyze, interpret, and solve real world problems. Students use equations of circles and parabolas to model and solve problems. They model and solve problems by using direct, inverse, combined and joint variation.