STATE OF TEXAS Assessments of Academic Readiness

State of Texas Assessments of Academic Readiness (STAAR™)
Performance Level Descriptors
Algebra I

Performance Level Descriptors

Students achieving Level III: Advanced Academic Performance can

- Evaluate the reasonableness of domains and ranges of linear and quadratic functions
- Apply the concept of slope as a rate of change in a variety of situations
- Generate representations of linear, quadratic, and other nonlinear functions
- Make predictions and critical judgments from functional relationships

Students achieving Level II: Satisfactory Academic Performance can

- Determine the domains and ranges of linear and quadratic functions
- Describe the concept of slope as a rate of change and use it to solve problems
- Determine solutions to linear and quadratic equations, linear inequalities, and systems of linear equations using a variety of methods
- Formulate linear and quadratic equations, linear inequalities, and systems of linear equations to solve problems
- Generate representations of linear and quadratic functions
- Analyze the effects of parameter changes on linear and quadratic functional relationships
- Interpret and draw conclusions from functional relationships

Students achieving Level I: Unsatisfactory Academic Performance can

- Identify slopes and y-intercepts of linear functions from tables, graphs, and equations given in slope-intercept form
- Simplify algebraic expressions and solve linear equations
- Formulate equations and systems of equations from simple linear situations
- Identify attributes of a quadratic function from its graph