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