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

Performance Level Descriptors
Students achieving Level III: Advanced Academic Performance can • Describe the concept of slope as a rate of change in a variety of situations • Solve quadratic equations, linear inequalities, and systems of linear equations using a variety of methods • Generate representations of quadratic functions in the form $y = ax^2 + c$ and analyze the effects of changes in a on these functions • Make predictions from functional relationships
Students achieving Level II: Satisfactory Academic Performance can • Determine the domains and ranges of linear and quadratic functions from graphs • Determine the y-intercepts of linear functions from tables and slopes of linear functions from tables, equations, and graphs • Simplify algebraic expressions and solve one-variable linear equations • Formulate linear equations, including systems, to solve problems • Generate representations of linear functions in the form $y = mx + b$ and analyze the effects of changes in m and b on these functions • Analyze the effects of changes in c on quadratic functions in the form $y = ax^2 + c$ • Interpret and draw conclusions from functional relationships • Identify the vertex and line of symmetry of a quadratic function from its graph
Students achieving Level I: Unsatisfactory Academic Performance can • Identify x-intercepts of linear and quadratic functions from graphs • Identify slopes and y-intercepts of linear functions from equations given in slope-intercept form • Use symbols to represent unknowns • Graph lines given two points, a point and a slope, or a slope and a y-intercept • Recognize positive, negative, or no correlation for data approximating linear situations