Key Concepts

Standards

1		Analyze the structure of binomials, trinomials, and other polynomials in order to rewrite equivalent expre
	A1.ASE.3*	Choose and produce an equivalent form of an expression to reveal and explain properties of the quantity represented by the expression.  a. Find the zeros of a quadratic function by rewriting it in equivalent factored form and explain the connection betweeme zeros of the function, its linear factors, there recepts of its graph, and the
		solutions to the corresponding quadratic equation.
S	The student w	rill:
Building Functions	A1.FBF.3*	Describe the effect of the transformation [7], [8] [7] + G, E, T+ G, and combinations of such transformation on the graph of [1] F, T for any real number G. Find the value of Given the graphs and write the equation of transformed parent function given its graph. (Limit to linear; quadratic; exponerital transformed parent function given its graph. (Limit to linear; quadratic; exponerital transformation of transformed parent function given its graph. (Limit to linear; quadratic; exponerital transformation of transformation of the graph of [7].

A1.FLQE.1\* Distinguish between situations that can be modeled with linear functions or exponential functions by reconstituations in which one quantity changes at a constant rate per unit interval as opposed to those in which a quantity changes by a constant per unit interval. (Note: A1.FLQE.1a is not a Graduation Standard

a. Prove that linear functions grow by equal differences over equal intervals and that exponential functions grow by equal factors over equal intervals.

A1.FLQE.2\* Create

Linear, Quadratic, and Exponential