Assessment Checklist **Chapter 8 Objectives**	**8.1** Use graphs of equations to find approximate solutions and then refine estimates.	**8.1** Use calculator-generated tables to find approximate solutions and then refine estimates.		**8.2** Link quadratic equations in the form $y = ax^2$ and identify lines of symmetry and vertices.	**8.2** Graph quadratic equations in the form $y = ax^2$ and identify lines of symmetry and vertices.	**8.2** Identify quadratic relationships from graphs, tables, and equations.		**8.3** Understand the effects of *a*, *b*, and *c* on the graphs of parabolas pf the form $y = ax^2 + bx + c$.	**8.3** Use quadratic equations and graphs to analyze the motion of projectiles.	**8.3** Distinguish between quadratic relationships and other types of relationships, such as cubics.	
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Assessment Checklist **Chapter 8 Objectives, continued**	**8.4** Understand the relationship between x and y in equations of the form $xy = a$, where a is a constant.	**8.4** Graph equations of the form $xy = a$ or $y = a/x$, where a is a constant, to describe behavior of y when x gets close to 0 or far from 0.	**8.4** Understand the connection between inverse proportions and reciprocals.	**8.4** Understand the graphs of families of equations in the forms $xy = a$, $(x + b)y = 1$, and $(x - c)y = 1$, where a, b, and c are constants.		**8.5** Form conjectures about linear, quadratic, and reciprocal relationships, as well as relationships described by tables and rules.	**8.5** Understand what it means to prove that a conjecture is true.	**8.5** Analyze arguments to see whether they must always be true, using counterexamples when appropriate.			
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