

Chapter 3: Introducing Functions

Chapter Overview Chart

SUGGESTED TIMING Functions and Relations: 10 h 50 min Functions: 13 h 20 min				
Section	Timing (min)		Materials/ Technology	Expectations
	Functions and Relations	Functions		
3.1 Exploration: Investigating a Special Kind of Relationship, page 222	30	50	TI-83 Plus	OC2.01
3.2 Functions: Concepts and Notation, page 225	120	150		OC2.01 OC2.02
3.3 <i>Skill Builder</i> : Solving Inequalities, page 241	30	50		OC1.01
3.4 The Inverse Function, page 247	120	150	SC GP	OC2.04 OC2.05
3.5 Technology: TI-83 Plus Calculator: Graphing Functions and Inverse Functions, page 261	50	50	TI-83 Plus	OC2.04
3.6 Investigating Properties of Inverse Functions, page 265	150	150	TI-83 Plus	OC2.04 OC2.05 OC2.06
3.7 Transformations and Function Notation, page 278	150	200	TI-83 Plus GS	OC2.06 OC2.07 OC2.08
BLM = Blackline Masters GP = Graph Paper SC = Scientific Calculator CBR/L = Calculator-Based Ranger/Laboratory GS = Graphing Software SS = Spreadsheet Software GSP = <i>The Geometer's Sketchpad</i> GC = Graphing Calculator TI-83 Plus = TI-83 Plus Calculator * Suggested Timing includes time for preview, additional activities, review and assessment.				
Check Your Understanding: Answers, p. 3-41 The Chapter Problem Questions and Answers, p. 3-44 Challenge 1 – Solution Guide and Rubric, p. 3-48 Challenge 2 – Solution Guide and Rubric, p. 3-49 Chapter 3 Test and Solutions, p. 3-50				