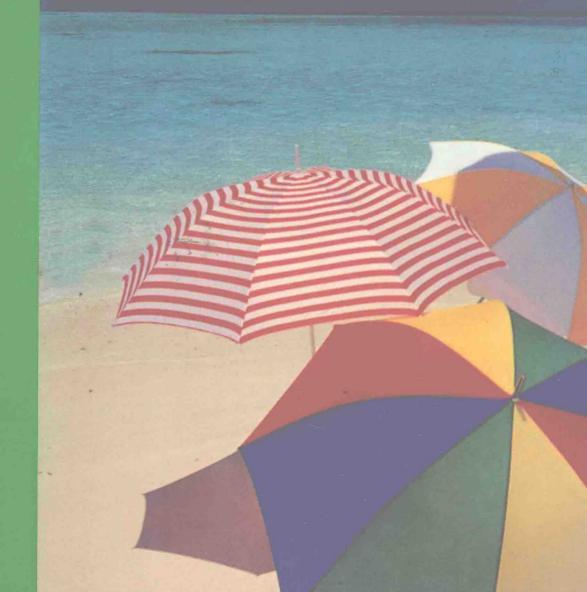
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### **Addison-Wesley**

# Algebra

Stanley A. Smith Randall I. Charles John A. Dossey Mervin L. Keedy Marvin L. Bittinger

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### **Contents**

1	Introduction to Algebra			
Read	y for Introduction to Algebra?	2		
1-1	Symbols and Expressions	4	Calculator: Order of	
			Operations	7
1-2	The Commutative and Identity Properties	9		
1-3	Exponential Notation	15	Calculator: Evaluating	
			Expressions Involving	
			Exponents	17
1-4	The Associative Properties	19	Calculator: Evaluating	
			Expressions	20
1-5	The Distributive Property of Multiplication			
	over Addition	24	Explore	24
			Writing to Learn	28
1-6	Problem Solving: Writing Expressions	29	Historical Note	32
1-7	Solving Equations: An Introduction	33	Explore	33
1-8	Problem Solving: Strategies			
	Draw a Diagram	38		
1-9	Using Formulas	40	Problem for Programmers	43
1-10	Problem Solving: Strategies			
	Guess, Check, Revise	44		
Chap	ter 1 Summary and Review	47		
Chap	ter 1 Test	50		
2	Integers and Rational Numb	ers		
Read	y for Integers and Rational Numbers?	52		
2-1	Integers and the Number Line	54	Connections: Geometry	58
2-2	Rational Numbers	59	,	3.0
2-3	Addition of Rational Numbers	63		

2-4	Subtraction of Rational Numbers	71	Calculator: Adding and Subtracting Rational Numbers Historical Note	73 76
2-5	Multiplication of Rational Numbers	77	Explore Subsets of the Rational Numbers	77
2-6	Division of Rational Numbers	81	Problem for Programmers Bonus Topic: Terminating and Repeating Decimals Problem Solving: Application Moment Problems	86 86 87
2-7	Using the Distributive Property	89		
2-8	Inverse of a Sum and Simplifying	93		
2-9	Problem Solving: Strategies Write an Equation	98		
2-10	Number Properties and Proofs	102		
Chap	ter 2 Summary and Review	107		
Chap	ter 2 Test	110		
3	Equations			
Read	y for Equations?	112		
3-1	The Addition Property of Equality	114	Explore	114
3-2	The Multiplication Property of Equality	119	•	
3-3	Using the Properties Together	125	Connections: Geometry	129
3-4	Problem Solving: Expressions and Equations	130	Problem for Programmers	135
3-5	More on Solving Equations	136		
3-6	Clearing an Equation of Fractions or			
	Decimals	139		
3-7	Formulas	142		
3-8	Solving Equations Involving Absolute Value	145	Looking for Errors	147
3-9	Problem Solving: Proportions	148		and the Management
3-10	Problem Solving: Using Percent	152	Math History	152
2 11	Decklass Calaina Mana Essensiana and		Calculator: Percents	154
3-11	Problem Solving: More Expressions and Equations	158		
3-12	Problem Solving: Strategies	130		
J-14	Make an Organized List	163		
Chan	ter 3 Summary and Review	165		
Chap	ter 3 Test	168		

4	Inequalities			
Read	y for Inequalities?	170		
4-1	Inequalities and Their Graphs	172		
4-2	The Addition Property of Inequalities	175	Connections: Geometry	179
4-3	The Multiplication Property of Inequalities	180	,	
4-4	Using the Properties Together	183	Biographical Note:	
0 10			George Polya	186
4-5	Problem Solving: Using Inequalities	187	Problem for Programmers	19
			Connections: Discrete Math	
			If-Then Statements	192
			Problem Solving: Application	
	D 11 - 0.11 - 0 - 1		Reading Graphs	193
4-6	Problem Solving: Strategies	104		
	Use Logical Reasoning	194		
Chap	ter 4 Summary and Review	196		
Chap	ter 4 Test	197		
Chap	ters 1-4 Cumulative Review	198		
Pond	Exponents and Polynomials	202		
	y for Exponents and Polynomials?	202 <b>204</b>		
5-1 5-2	Exponents More with Exponents	209	Calculator: Evaluating	
J- <b>L</b>	Wore with Exponents	207	Expressions	209
			Suppose	21.
5-3	Multiplying and Dividing Monomials	214		
5-4	Scientific Notation	217	Calculator: Calculating with	
			Scientific Notation	219
5-5	Polynomials	221		
5-6	More on Polynomials	226	Calculator: Evaluating	
<i>-</i> -	A 11'.' CD 1 ' 1	224	Polynomials	228
5-7 5-8	Addition of Polynomials	231	Problem for Programmers	23.
5-9	Subtraction of Polynomials Multiplication of Monomials and Binomials	236 240	Looking for Errors	244
5-10	Multiplying Binomials: Special Products	245	Writing to Learn	248
5-11	Multiplying Polynomials	249	Problem Solving: Application	- "
			Formulas in Health Care	25.
5-12	Problem Solving: Strategies			
	Make a Table, Look for a Pattern	254		
Chap	ter 5 Summary and Review	256		

259

Chapter 5 Test

#### **Polynomials and Factoring** 260 Ready for Polynomials and Factoring? 262 **Factoring Polynomials** 262 Explore 6-1 Connections: Geometry 265 266 6-2 Differences of Two Squares **Trinomial Squares** 270 6-3 Factoring $x^2 + bx + c$ 277 6-4 273 Suppose Factoring $ax^2 + bx + c$ 278 Writing to Learn 280 6-5 Factoring by Grouping 281 6-6 Factoring: A General Strategy 283 Connections: Discrete Math 6-7 285 Binomial Expansion Problem for Programmers 290 Solving Equations by Factoring 286 6-8 **Problem Solving: Using Equations** Biographical Note: 6-9 291 Thomas Harriot 296 Problem Solving: College Entrance Exams 297 Factoring 299 Chapter 6 Summary and Review Chapter 6 Test 301 **Graphs and Linear Equations** Ready for Graphs and Linear Equations? 302 **Graphing Ordered Pairs** 7-1 304 Math History 304 7-2 **Graphing Equations** 309 Linear Equations and Their Graphs 7-3 313 Explore 313 Spatial Relations 317 Writing to Learn 7-4 Slope 318 322 7-5 Equations and Slope **Explore** 323 323 Suppose 327 7-6 Finding the Equation of a Line 328 Problem Solving: Fitting Equations to Data 7-7 333 7-8 Parallel and Perpendicular Lines 338 **Explore** 338 Problem for Programmers 341 7-9 **Proofs** 342 7-10 **Problem Solving: Strategies** Simplify the Problem 344 Problem Solving: Application Compound Interest 346 Chapter 7 Summary and Review 347 Chapter 7 Test 350

351

Chapters 1-7 Cumulative Review

#### **Systems of Equations** Ready for Systems of Equations? 356 Solving Systems of Equations by Graphing 358 Explore 358 8-1 8-2 The Substitution Method 362 Problem for Programmers 366 367 8-3 The Addition Method 373 8-4 Problem Solving: Using Systems of Equations 8-5 **Problem Solving: Motion Problems** 380 Looking for Errors 386 387 Problem Solving: College 8-6 Problem Solving: Digit and Coin Problems Entrance Exams Systems of Equations 392 Problem Solving: Application Sales Taxes 394 395 Chapter 8 Summary and Review Chapter 8 Test 397 **Inequalities and Absolute Value** Ready for Inequalities and Absolute Value? 398 9-1 Sets, Intersections, and Unions 400 Suppose 404 9-2 Compound Sentences 405 Connections: Discrete Math Truth Tables 410 9-3 **Equations and Absolute Value** 411 9-4 Inequalities and Absolute Value 413 Explore 413 Problem for Programmers 416 9-5 Inequalities in Two Variables 417 Writing to Learn 420 9-6 Graphing Systems of Linear Inequalities 421 Problem Solving: College **Entrance Exams** Quantitative Comparisons 425 Chapter 9 Summary and Review 427

429

Chapter 9 Test

### 10 Rational Expressions and Equations

rs 1	C D it I D it is a d D and to a col	430		
	for Rational Expressions and Equations?		<b>7</b> 1	422
10-1	Simplifying Rational Expressions	432	Explore	432
			Looking for Errors	435
10-2	Multiplying Rational Expressions	436		
10-3	Dividing Rational Expressions	439		
10-4	Addition and Subtraction:			
	Like Denominators	442		
10-5	Addition and Subtraction:			
	Unlike Denominators	445	Connections: Geometry	450
10-6	Solving Rational Equations	451		
10-7	Problem Solving: Using Rational Equations	455	Problem for Programmers	459
10-8	Problem Solving: Mixture Problems	460	Suppose	464
10-9	Dividing Polynomials	465	The Rule of False Position	468
10-10	Complex Rational Expressions	469	Biographical Note:	
*	-		Mary Somerville	471
10-11	Proofs	472	•	
10-12	Problem Solving: Strategies			
	Work Backward	475		
Chapt	er 10 Summary and Review	477		
Chapt	er 10 Test	479		

### 11 Radical Expressions and Equations

Read	y for Radical Expressions and Equations?	480		
11-1	Real Numbers	482	Calculator: Square Roots	484
			The Density Property	486
11-2	Radical Expressions	487	Math History	487
			Calculator: Evaluating	
			Radical Expressions	488
			Connections: Geometry	490
11-3	Simplifying Radical Expressions	491	Explore	491
			Bonus Topic: Cube Roots	494
11-4	Multiplying Radical Expressions	495	Bonus Topic: Approximating	
			Square Roots	497
11-5	Dividing and Simplifying	498	Explore	498
			Bonus Topic: Rational	
			Exponents	503
			Calculator: Finding Roots	503
11-6	Addition and Subtraction	504	Problem Solving: Application	
			Injury Severity Score	507

	The Pythagorean Theorem	509	Calculator: Finding Missing Lengths Problem for Programmers Bonus Topic: <i>The Distance</i> Formula	510 512 513
11-8 11-9	Problem Solving: Using the Pythagorean Theorem Equations with Radicals	514 519	Writing to Learn Problem Solving: College Entrance Exams	518
			Odd and Even Problems	523
Chapt	ter 11 Summary and Review	525		
Chapt	ter 11 Test	528		
Chapt	ters 1-11 Cumulative Review	529		
12	Relations and Functions			
Ready	y for Relations and Functions?	534		
	Relations and Functions	536	Calculator: Evaluating	
			Functions	539
42.2	F - 10 - 1	<b>5.10</b>	Writing to Learn	541
12-2	Functions and Graphs	542	Explore	542
			Problem for Programmers Biographical Note:	545
			Leonard Euler	545
			Bonus Topic: Exploring	
			Absolute Value	
12.2	D. II. C.I.		Functions	546
12-3	Problem Solving: Linear Functions	547	Connections: Discrete Math Interval Graphs	550
12-4	Quadratic Functions	552	Explore	552
	Quadratic 1 unctions	332	Connections: Geometry	556
12-5	Direct Variation	557	,	000
12-6	Inverse Variation	561	Spatial Relations	564
12-7	Joint and Combined Variation	565	Problem Solving:	
			Situational Problem Solving	
			Starting a Business	570
Chapt	ter 12 Summary and Review	571		
Chapt	ter 12 Test	573		

<b>13</b>	Quadratic	Equations

Chapter 14 Summary and Review

Chapter 14 Test

13	Quadratic Equations			
Ready	for Quadratic Equations?	574		
13-1	Introduction to Quadratic Equations	576		
13-2	More Solving Quadratic Equations	580	Connections: Geometry	585
13-3	Solving by Completing the Square	586		
13-4	The Quadratic Formula	589	Calculator: Approximating	
			Solutions of Quadratic	
			Equations	592
13-5	Solving Rational Equations	595	Problem for Programmers	597
13-6	Solving Radical Equations	598	Looking for Errors	601
13-7	Problem Solving: Quadratic Equations	602	Problem Solving: Applications	
			Annual Percentage Rate	607
			Problem Solving:	
			Situational Problem Solving	
			Designing a School Picnic	608
Chapter 13 Summary and Review		609		
Chapt	er 13 Test	611		
14	Trigonometry			
	for Trigonometry?	612		
14-1	Similar Right Triangles	614		
14-2	Trigonometric Ratios	619	Calculator Investigation	624
14-3	Trigonometric Values	625	Calculator: Finding	021
			Trigonometric Values	625
			Calculator: Finding Angles	626
14-4	Problem Solving: Right Triangle Problems	628	Problem for Programmers	632
	0 0 0		Problem Solving: Application	

635

637

Surveying
Problem Solving: Situational
Problem Solving
Designing a Park

633

634

15 Introduction to Probability and Statistics

Ready	y for Introduction to Probability and			
Statistics?		638		
15-1	Probability	640	Math History	640
			Probability: It's a Small World	643
15-2	More on Probability	644		
15-3	<b>Experimental Probability and Simulation</b>	649		
15-4	Statistics: Organizing Data	653		
15-5	Graphs of Data	657		
15-6	Measures of Central Tendency	661	Problem for Programmers	664
15-7	Scatter Plots and Data Relationships	665	Problem Solving: Application	
			Weather Vane Plot	669
			Problem Solving: College Entrance Exams	
			Averages	671
01	150		nveruges	0/1
Chapter 15 Summary and Review		673		
Chapter 15 Test Chapters 1–15 Cumulative Review		675		
		677		
App	endix			
Mixed	d Practice	684		
Comp	outer Exploration	714		
	Investigations	724		
	tones in Mathematics	740		
Table	s	744		
Table	1 Squares and Square Roots	745		
Table	2 Values of Trigonometric Functions	746		
Table	3 Geometric Formulas	747		
Table	4 Symbols	748		
Glossa		749		
	ed Answers	757		
Index		795		

#### **Arithmetic Review**

Add.

Subtract.

Multiply.

Divide.

Add. Simplify answers if possible.

**17.** 
$$\frac{4}{9} + \frac{7}{9}$$
 **18.**  $8\frac{1}{6}$ 

18. 
$$8\frac{1}{6}$$

$$+3\frac{5}{6}$$

19. 
$$7\frac{1}{8}$$
 20.  $2\frac{1}{2}$ 

$$+12\frac{3}{4}$$

$$4\frac{2}{3}$$

$$+6\frac{3}{4}$$

Subtract. Simplify answers if possible.

21. 
$$\frac{7}{8}$$
  $-\frac{3}{8}$ 

$$\frac{2}{5}$$
 -

**21.** 
$$\frac{7}{8}$$
 **22.**  $\frac{3}{4}$  **23.**  $9\frac{1}{9}$  **24.**  $12\frac{1}{4}$ 

Multiply. Simplify answers if possible.

**25.** 
$$\frac{2}{7} \times \frac{2}{6}$$

**26.** 
$$\frac{4}{9} \times \frac{9}{4}$$

**27.** 
$$6 \times 3\frac{1}{8}$$

**25.** 
$$\frac{2}{7} \times \frac{2}{6}$$
 **26.**  $\frac{4}{9} \times \frac{9}{4}$  **27.**  $6 \times 3\frac{1}{8}$  **28.**  $9\frac{3}{4} \times 2\frac{7}{8}$ 

Divide. Simplify answers if possible.

**29.** 
$$\frac{3}{7} \div \frac{3}{7}$$

**30.** 
$$\frac{5}{9} \div \frac{5}{2}$$

31. 
$$\frac{5}{8} \div \frac{2}{5}$$

**29.** 
$$\frac{3}{7} \div \frac{3}{7}$$
 **30.**  $\frac{5}{9} \div \frac{5}{2}$  **31.**  $\frac{5}{8} \div \frac{2}{5}$  **32.**  $12\frac{1}{2} \div 2\frac{3}{4}$ 

### Ready For Introduction to Algebra?

Add or subtract. Simplify answers if possible.

1. 
$$\frac{3}{7} + \frac{2}{7}$$

**1.**  $\frac{3}{7} + \frac{2}{7}$  **2.**  $\frac{3}{8} + \frac{1}{6}$  **3.**  $6\frac{3}{4} + 9\frac{5}{8}$  **4.**  $3\frac{1}{2} + 4\frac{2}{3} + 7\frac{1}{4}$ 

5. 
$$\frac{5}{9} - \frac{2}{9}$$

5.  $\frac{5}{9} - \frac{2}{9}$  6.  $\frac{5}{6} - \frac{2}{5}$  7.  $1\frac{7}{8} - \frac{3}{4}$  8.  $7 - \frac{5}{8}$ 

Multiply. Simplify answers if possible.

9. 
$$\frac{3}{4} \times \frac{3}{4}$$

9.  $\frac{3}{4} \times \frac{3}{4}$  10.  $\frac{5}{8} \times 18$  11.  $4\frac{1}{5} \times 3\frac{5}{7}$  12.  $2\frac{3}{10} \times 3\frac{1}{3}$ 

Divide. Simplify answers if possible.

**13.** 
$$\frac{7}{12} \div \frac{7}{12}$$
 **14.**  $\frac{3}{4} \div 2$  **15.**  $3\frac{1}{3} \div 1\frac{1}{4}$  **16.**  $3 \div \frac{1}{3}$ 

14. 
$$\frac{3}{4} \div 2$$

**15.** 
$$3\frac{1}{3} \div 1\frac{1}{2}$$

**16.** 
$$3 \div \frac{1}{3}$$

Add.

**17.** 
$$0.5 + 0.35 + 1.5$$
 **18.**  $14 + 3.75 + 8.6$  **19.**  $1 + 0.02 + 0.2$ 

19. 
$$1 + 0.02 + 0.2$$

Subtract.

Multiply.

Divide. Round answers to the nearest hundredth, if necessary.

30. 
$$\frac{5.82}{0.6}$$

## Introduction to Algebra

I



What is the speed of a supersonic airplane traveling at Mach

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