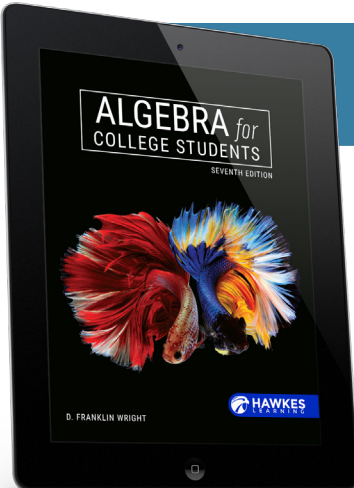
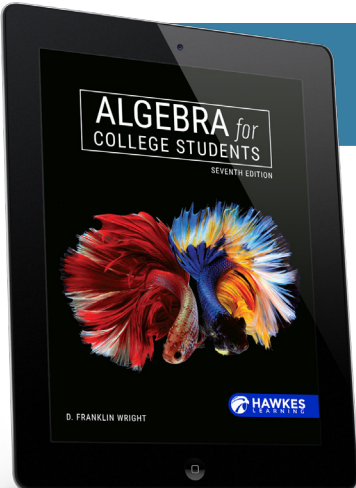




Algebra for College Students, 7th Edition

Question Bank Enhancements

Lesson	New Serial Numbers	What Changed
1.2	72, 73	Added 2 new questions on finding the absolute value of decimal numbers
1.3	6 – 11	Added 4 multiple-choice questions on graphing sets written in set-builder notation Added 2 new multiple-choice conceptual questions.
1.6	23, 24	Added 2 new questions on illustrating the distributive property
2.1	64 – 68	Added 5 new questions that require simplifying an algebraic expression and then evaluating at a given value
2.4	43	Added 1 new question to offer a version of SN 21 with more variation
2.5	85	Added 1 new application question on linear equations
2.6	37	Added 1 new application question on linear equations
2.8	30, 31	Added 2 new questions on absolute value inequalities
3.1	24	Added 1 new question on identifying points on horizontal and vertical lines
3.3	44 – 48	Added 4 new questions on writing equations in slope-intercept form and 1 new question on identifying the slope and y-intercept given the graph of a line
3.4	55	Added 1 new question on finding equations of lines perpendicular to given lines
3.5	44, 45	Added 2 new questions on evaluating functions to offer more 1-step questions on this topic
3.6	20 – 28	Added 9 new multiple-choice questions on graphing linear inequalities
4.2	37, 38	Added 2 new questions on solving systems of linear equations by substitution, including 1 application question
4.4	48, 49, 50	Added 3 new application questions on setting up and solving systems of linear equations
4.5	26	Added 1 new application question on setting up and solving systems of linear equations
4.6	11 – 17	Added 7 new application questions on setting up and solving systems of linear equations with three variables
4.8	8 – 10	Added 3 new questions on solving equations with determinants.
4.9	5 – 10	Added 4 new questions on solving systems of equations using Cramer's Rule. Added 2 new application questions on solving word problems using systems of linear equations and Cramer's Rule.
4.10	10, 11, 12	Added 3 new multiple-choice questions on graphing systems of linear inequalities
5.1	48, 49, 50	Added 3 new questions on simplifying expressions using the rules for exponents, including 1 High Level of Difficulty question
5.2	40	Added 1 new question with High Level of Difficulty on simplifying expressions using the power rules for exponents
5.4	45 – 50	Added 2 new application questions on evaluating polynomial functions and 3 new questions on simplifying and classifying polynomials
5.5	33, 34, 35	Added 3 new questions on addition and subtraction with polynomials, including 1 question with High Level of Difficulty
5.6	49	Added 1 new question on multiplying three binomials
5.7	30, 31, 32	Added 3 new questions with High Level of Difficulty on finding special products of binomials
5.8	30	Added 1 new application question on division with polynomials



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Question Bank Enhancements

Lesson	New Serial Numbers	What Changed
5.9	6 – 13	Added 4 new questions on using synthetic division to divide polynomials, including 2 application questions and 2 questions with High Level of Difficulty Added 4 new questions on the Remainder Theorem
6.1	64	Added 1 new question on factoring by grouping with GCF not equal to 1
6.2	22	Added 1 new question with High Level of Difficulty on factoring trinomials with GCF not equal to 1
6.3	36	Added 1 new question with High Level of Difficulty on factoring trinomials in two variables
6.4	54 – 57	Added 4 new questions with High Level of Difficulty on special factoring techniques
6.5	47, 48, 49	Added 3 new questions with High Level of Difficulty on factoring polynomials
6.6	39 – 42	Added 4 new questions on solving polynomial equations by factoring
7.1	61, 62	Added 2 new questions on reducing rational expressions, including 1 application question
7.2	46 – 49	Added 4 new questions on multiplying and dividing with rational expressions, including 1 question with High Level of Difficulty
7.4	46 – 51	Added 6 new questions on adding and subtracting with rational expressions, including 1 question with High Level of Difficulty
7.6	59, 60, 61	Added 3 new questions on using proportions to relate similar triangles
7.8	24	Added 1 new application question on direct variation
8.1	47, 48	Added 2 new questions on evaluating radicals
8.2	36, 37	Added 2 new questions on simplifying square roots and cube roots
9.1	28, 29, 30	Added 1 new application question on solving a quadratic equation related to the Pythagorean Theorem Added 2 new questions on using the square root method to solve a quadratic equation, including 1 application question
9.2	27	Added 1 new application question on solving quadratic equations by completing the square
9.3	53 – 56	Added 3 new questions on solving quadratic equations using the quadratic formula, including 2 application questions Added 1 new question on finding and interpreting the discriminant of a quadratic equation
9.6	15, 16, 17	Added 3 new questions related to graphing quadratic equations in vertex form, including finding the domain and range
9.7	23, 24	Added 2 new application questions on finding maximum and minimum values of quadratic functions
10.2	17 – 20	Added 4 new questions on finding the inverses of functions
10.7	37, 38, 39	Added 3 new questions on solving exponential equations where the bases are not the same
10.8	29	Added 1 new conceptual question on applications of exponential and logarithmic functions
11.2	8 – 11	Added 4 new single-step questions on finding the vertex, y-intercepts, line of symmetry, and direction of horizontal parabolas to offer alternatives to Serial Numbers 1 – 4 (four-step questions).
11.4	6 – 10	Added 2 new questions on finding the center and vertices of an ellipse. Added 3 new questions on finding the center, vertices, and asymptotes of a hyperbola.
11.5	8 – 10	Added 1 new question on finding the point(s) of intersection for a nonlinear system of equations. Added 2 new multiple-choice questions on graphing nonlinear systems of equations.