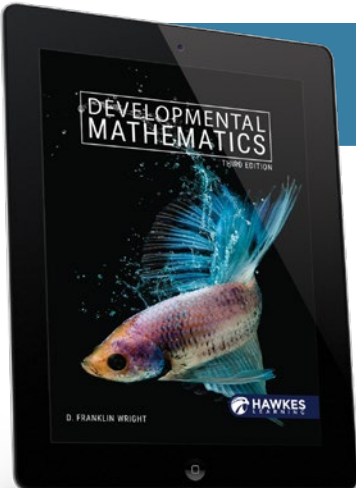
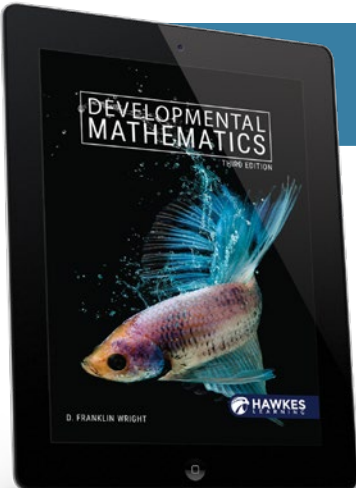




Developmental Mathematics, 3rd Edition

Question Bank Enhancements

Lesson	New Serial Numbers	What Changed
4.8	26	Added 1 new application question on calculating compound interest
6.4	28, 29, 30	Added 3 new 2-part questions on finding the perimeter and area of figures involving circles
7.2	16	Added 1 new 1-part application question on reading circle graphs (a replacement option for an existing 5-part question)
8.1	72, 73	Added 2 new questions on finding the absolute value of decimal numbers
8.3	43, 44, 45	Added 3 new questions on addition and subtraction with real numbers, including 1 application question
8.6	23, 24	Added 2 new questions on illustrating the distributive property
8.7	64 – 68	Added 5 new questions that require simplifying an algebraic expression and then evaluating at a given value
8.8	26	Added 1 new question on translating English phrases into algebraic expressions
9.3	52, 53, 54	Added 3 new questions on solving linear equations involving fractions
9.4	43	Added 1 new question to offer a version of SN 21 with more variation
9.5	88	Added 1 new application question on linear equations
9.6	34	Added 1 new application question on linear equations
9.10	30, 31	Added 2 new questions on absolute value inequalities
10.1	24	Added 1 new question on identifying points on horizontal and vertical lines
10.3	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
10.4	55	Added 1 new question on finding equations of lines perpendicular to given lines
10.5	44, 45	Added 2 new questions on evaluating functions to offer more 1-step questions on this topic
10.6	20 – 28	Added 9 new multiple-choice questions on graphing linear inequalities
11.2	37, 38	Added 2 new questions on solving systems of linear equations by substitution, including 1 application question
11.4	48, 49, 50	Added 3 new application questions on setting up and solving systems of linear equations
11.5	26	Added 1 new application question on setting up and solving systems of linear equations
11.6	11 – 17	Added 7 new application questions on setting up and solving systems of linear equations with three variables
11.8	10, 11, 12	Added 3 new multiple-choice questions on graphing systems of linear inequalities
12.1	48, 49, 50	Added 3 new questions on simplifying expressions using the rules for exponents, including 1 High Level of Difficulty question
12.2	40	Added 1 new question with High Level of Difficulty on simplifying expressions using the power rules for exponents
12.4	45 – 50	Added 2 new application questions on evaluating polynomial functions and 3 new questions on simplifying and classifying polynomials
12.5	33, 34, 35	Added 3 new questions on addition and subtraction with polynomials, including 1 question with High Level of Difficulty
12.6	49	Added 1 new question on multiplying three binomials
12.7	30, 31, 32	Added 3 new questions with High Level of Difficulty on finding special products of binomials



Developmental Mathematics, 3rd Edition

Question Bank Enhancements

Lesson	New Serial Numbers	What Changed
12.8	30	Added 1 new application question on division with polynomials
12.9	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
13.1	64	Added 1 new question on factoring by grouping with GCF not equal to 1
13.2	22	Added 1 new question with High Level of Difficulty on factoring trinomials with GCF not equal to 1
13.3	36	Added 1 new question with High Level of Difficulty on factoring trinomials in two variables
13.4	54 – 57	Added 4 new questions with High Level of Difficulty on special factoring techniques
13.5	47, 48, 49	Added 3 new questions with High Level of Difficulty on factoring polynomials
13.6	39 – 42	Added 4 new questions on solving polynomial equations by factoring
14.1	61, 62	Added 2 new questions on reducing rational expressions, including 1 application question
14.2	46 – 49	Added 4 new questions on multiplying and dividing with rational expressions, including 1 question with High Level of Difficulty
14.4	46 – 51	Added 6 new questions on adding and subtracting with rational expressions, including 1 question with High Level of Difficulty
14.6	59, 60, 61	Added 3 new questions on using proportions to relate similar triangles
14.8	24	Added 1 new application question on direct variation
15.1	47, 48	Added 2 new questions on evaluating radicals
15.2	36, 37	Added 2 new questions on simplifying square roots and cube roots
16.1	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
16.2	27	Added 1 new application question on solving quadratic equations by completing the square
16.3	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
16.6	15, 16, 17	Added 3 new questions related to graphing quadratic equations in vertex form, including finding the domain and range
16.7	23, 24	Added 2 new application questions on finding maximum and minimum values of quadratic functions
17.2	17 – 20	Added 4 new questions on finding the inverses of functions
17.7	37, 38, 39	Added 3 new questions on solving exponential equations where the bases are not the same
17.8	29	Added 1 new conceptual question on applications of exponential and logarithmic functions
18.2	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).
18.4	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.
18.5	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.