

Intermediate Algebra Release Notes 2019

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Page Count Difference:

In the latest version of *Intermediate Algebra*, there are 1,357 pages compared to the 1,349 pages in the last edition. This page count variation is due to errata revisions and code releases.

Errata:

Below is a table containing submitted errata, and the resolutions that OpenStax has provided for this latest text.

Location	Detail	Resolution Notes	Error Type
Chapter 1 - Foundations, Review Exercises	Use Integers in Applications In the following exercise, solve. 415. Temperature On July 10, the high temperature in Phoenix, Arizona, was 109°, and the high temperature in Juneau, Alaska, was 63°. What was the difference between the temperature in Palm Springs and the temperature in Whitefield? The given information doesn't match the question.	Revise exercise as follows: 415. Temperature On July 10, the high temperature in Phoenix, Arizona, was 109°, and the high temperature in Juneau, Alaska, was 63°. What was the difference between the temperature in Phoenix and the temperature in Juneau?	Typo
Chapter 1 - Foundations, Section 2 - Integers	The first line under "Simplify Expressions with Absolute Value" is "A negative numbers is a number less than 0." (with "numbers" plural)	Our reviewers accepted this change.	Typo
Chapter 1 - Foundations, Section 2 - Integers	Justification after pictorial example says, "So, $15 \div 3 = 5$ because $15 \cdot 3 = 15$ ". But last equation should be " $5 \cdot 3 = 15$ " (i.e., extraneous digit 1). Visible in both web view and PDF.	Revise " $15 \cdot 3 = 15$ " to " $5 \cdot 3 = 15$ ".	Typo
Chapter 1 - Foundations, Section 2 - Integers, Exercise 96(d)	The question is asking to simplify -84 divided by -6. The answer should be 14, but the IAG says 15.	Revise the solution as appropriate.	Incorrect answer, calculation, or solution
Chapter 1 - Foundations, Section 3 - Fractions, Example 1.26	The fraction division problem changes from $-\frac{7}{8} \cdot (-\frac{14}{27})$ to $-\frac{7}{18} \cdot (-\frac{14}{27})$	In Example 1.26, revise the first fraction to " $-\frac{7}{18}$ ". In the solution, revise the first fraction to " $-\frac{7}{18}$ ".	Typo
Chapter 1 - Foundations,	https://cnx.org/contents/AndhM9Sd@4.13:mblpaplX@4/Decimals	Revise image as needed.	Incorrect answer,

Section 4 - Decimals	<p>$5.63 \times 10 = 56.3$</p> <p>The image shows 5.63 instead of 56.3</p> <p>https://cnx.org/resources/f495b73df86b73dd0b26e1bad90929159cdd5032/CNX_IntAlg_Figure_01_04_005c_img.jpg</p>		calculation, or solution
Chapter 1 - Foundations, Section Introduction	<p>The technology and use of 3D printers depends on the ability to understand the language of algebra.</p> <p>plural subject, singular verb</p>	Revise to "The technology and use of 3D printers depend on..."	General/pedagogical suggestion or question
Chapter 1 - Foundations, Section 1 - Use the Language of Algebra, Exercises	Re: Solutions in Ex. 1.1, #45(d): Has extraneous $9x < 121x^2$ (follows correct solution; delete).	Delete " $9x < 121x^2$ ".	Incorrect answer, calculation, or solution
Chapter 2 - Solving Linear Equations, Section 2, Use a Problem Solving Strategy	The formula has list price = original cost - mark-up and then states "the list price should always be more than the original cost." The subtraction would mean that the list price would be lower than the original cost.	Replace "list price = original cost – mark-up" with "list price = original cost + mark-up"	Typo
Chapter 2 - Solving Linear Equations, Exercises	<p>OSInterAlg1 2.4.257. In the ISM, the answer is 34, 61 for the tickets.</p> <p>OSInterAlg1 2.4.290. In the book, we updated the time from 6:30 to 5:30 as it matches the book better.</p> <p>OSInterAlg1 2.7.445. In the ISM, they have the answers as -1, 4. But the answers are 1, -5.</p> <p>OSInterAlg1 2.7.453. $\frac{2}{3}$ should be $-\frac{2}{3}$ in the ISM.</p> <p>OSInterAlg1 2.7.490. In the ISM, there appears to be a typo, answer should be 225,000.</p>	Our reviewers accepted this change.	Incorrect answer, calculation, or solution
Chapter 2 - Solving Linear Equations, Section 2 - Use a Problem Solving Strategy	Definition of Markup: should be list price = original price + markup, not subtraction	Revise the definition of markup to "list price = original cost + mark-up".	Other factual inaccuracy in content
Chapter 2 - Solving Linear Equations, Section 3 - Solve a Formula for a Specific Variable, Exercise 232	The given information is not sufficiently complete, and if it were complete, the exercise would be much harder than the surrounding exercises. According to the diagram, the size of the banner depends on its height, which is not given. The answer the author wanted was probably 20 feet, but that is not correct.	Revise the exercise stem as follows: 232. Pam wants to put a banner across her garage door diagonally, as shown, to congratulate her son for his college graduation. The garage door is 12 feet high and 16 feet wide. Approximately how long should the banner be to fit the garage door?	Other factual inaccuracy in content
Chapter 2 - Solving Linear Equations, Section 4 -	<p>Example 2.44</p> <p>Carina is 15 mph faster, not her brother. This whole solution to this example is incorrect and</p>	Revise example throughout.	Incorrect answer, calculation, or solution

Solve Mixture and Uniform Motion Applications	doesn't match up with the statement of the problem.		
Chapter 2 - Solving Linear Equations, Section 4 - Solve Mixture and Uniform Motion Applications	Answer Key, Page 1235, #257 The solution should be 34 general, not 31 general.	Revise the solution to "34 general, 61 youth".	Typo
Chapter 2 - Solving Linear Equations, Section 4 - Solve Mixture and Uniform Motion Applications	Exercise 271 "A commercial jet and a private airplane fly from Denver to Phoenix. It takes the commercial jet 5.8% hours for the flight, and it takes the private airplane 1.8 hours." exercise 271 has 5.8% when it should be 5.8. Also, the commercial jet should be flying slower than the private jet if it is taking more time to fly.	Revise as follows: A commercial jet and a private airplane fly from Denver to Phoenix. It takes the commercial jet 1.6 hours for the flight, and it takes the private airplane 2.6 hours. The speed of the commercial jet is 210 miles per hour faster than the speed of the private airplane. Find the speed of both airplanes to the nearest 10 mph.	Typo
Chapter 2 - Solving Linear Equations, Section 5 - Solve Linear Equations	For number 325, the answer should be all real numbers because of the "or equal to" in the inequality.	Revise answer as appropriate.	Incorrect answer, calculation, or solution
Chapter 2 - Solving Linear Equations, Section 5 - Solve Linear Equations	Question 315 Answer should be (-infinity, 18/5)	Revise answer as appropriate.	Incorrect answer, calculation, or solution
Chapter 2 - Solving Linear Equations, Section 6 - Solve Compound Inequalities	Example 2.61 The statement of the problem involves the inequality $2x+7 \geq 3$, but the solution involves the inequality $2x+9 \geq 3$.	Revise the stem in the example from " $2x+7$ " to " $2x+9$ ".	Other factual inaccuracy in content
Chapter 2 - Solving Linear Equations, Section 7 - Use the Language of Algebra	Exercises 480-489 Many teachers assign the odd-numbered exercises, because the answers are in the back. This section is supposed to be a mix of equality and inequality, but almost all of the odd-numbered exercises are equality, and the only one that's an inequality has a solution of all real numbers. It would be helpful if you would mix them more deliberately.	Switch exercise 481 with 482, exercise 483 with 484, and 488 with 489, as follows: 481: $ 3x - 4 \geq 2$ 482. $ 6x - 5 = 2x + 3 $ 483. $ 4x - 3 < 5$ 484. $ 2x - 5 + 2 = 3$ 488. $ x - 7 > -3$ 489. $ 8 - x = 4 - 3x $	General/pedagogical suggestion or question
Chapter 3 - Graphs and	OSInterAlg1 3.1.001. IAG solution is incorrect. Also IAG parts (a), (b), and (c) missing parenthesis.	Our reviewers accepted this change.	Incorrect answer,

<p>Functions, Exercises</p>	<p>OSInterAlg1 3.1.057. Questions 57-60 should be in the next grouping, since you can't graph them by using intercepts.</p> <p>OSInterAlg1 3.4.243. Answer in the IAG assumes the line is dashed. In the pdf textbook, the line is solid.</p> <p>OSInterAlg1 3.4.249. IAG solution assumes line is dashed. In the pdf textbook, the line is solid.</p> <p>OSInterAlg1 3.5.296. Textbook question overlaps with textbook 298. Replace with new question.</p> <p>OSInterAlg1 3.6.357. In the ISM, they list the range using parenthesis instead of brackets. This error occurs in every question from 357-364.</p> <p>OSInterAlg1 3.6.373. The ISM has the wrong domain for this question.</p>		<p>calculation, or solution</p>
<p>Chapter 3 - Graphs and Functions, Section 1 - Graph Linear Equations in Two Variables</p>	<p>The work done to change $y = -3x + 5$ to $3x + y = 5$ has a typo in it. The first step in the work reads "$y = -3x + 5$", and the second reads "$y + 3x = 3x + 5 + 3x$". Notice that the original "$-3x$" is no longer negative, but the cancellation still happens. The negative wasn't written. Oops!</p>	<p>In "Linear Equation" example, the line beginning with "Add to both sides" should read "$y + 3x = -3x + 5 + 3x$".</p>	<p>Typo</p>
<p>Chapter 3 - Graphs and Functions, Section 4 - Graph Linear Equations in Two Variables Chapter 3 - Graphs and Functions, Section 5 - Relations and Functions</p>	<p>253: Graph is wrong</p> <p>255: Graph is wrong</p> <p>259: Graph is wrong</p> <p>263: Graph is wrong</p> <p>265: Graph is wrong</p> <p>269: Graph is wrong</p> <p>315(b): Answer should be $2x + 5$</p>	<p>Update answers as appropriate.</p>	<p>Incorrect answer, calculation, or solution</p>
<p>Chapter 4 - Systems of Linear Equations, Exercises</p>	<p>OSInterAlg1 4.3.134. Change to dimes, to match rest of problem.</p> <p>OSInterAlg1 4.3.159. ISM for part (d) is incorrect.</p> <p>OSInterAlg1 4.4.164. ISM solution to part (a) is incorrect. Should be "No"</p> <p>Or Equation 3 should be "$x - 5z = -3$"</p> <p>OSInterAlg1 4.4.185. ISM solution incorrect. Should be: $x = 203/16$, $y = -25/16$, $z = -231/16$</p> <p>OSInterAlg1 4.4.190. Typo in materials: "measure if" should be "measure of".</p> <p>OSInterAlg1 4.4.191. Typo in materials: "three</p>	<p>Our reviewers accepted this change.</p>	<p>Incorrect answer, calculation, or solution</p>

	<p>the measure of the first angle" should be "three times the measure of the first angle". Answer in ISM is incorrect.</p> <p>OSInterAlg1 4.4.192. Various typos and absent commas in materials.</p> <p>OSInterAlg1 4.4.193. Type: "5 can" should be "5 cans".</p> <p>OSInterAlg1 4.5.201. Typo: extraneous "that".</p> <p>OSInterAlg1 4.5.204, 206. Question conducted in the ISM does not match the way these questions were conducted in example 4.39 on page 435. Each part should be done on the original matrix.</p> <p>OSInterAlg1 4.6.272. Error in the ISM, the points are collinear.</p>		
Chapter 4 - Systems of Linear Equations, Section 1 - Solve Systems of Linear Equations with Two Variables	Exercises 46-59 Solutions in the back are incorrect.	Solutions in the solution manual are off by one exercise. Adjust solutions to match exercises.	
Chapter 4 - Systems of Linear Equations, Section 3 - Solve Mixture Applications with Systems of Equations	Wouldn't you have to take into account a (-) time since the amt Rosie owes is in the present (present principal) and the interest she paid was based on last year's principal?	Revise to "Step 7. Answer the question. The principal of the federal loan was \$12,870 and the principal for the bank loan was \$8,670."	Incorrect answer, calculation, or solution
Chapter 4 - Systems of Linear Equations, Section 3 - Solve Mixture Applications with Systems of Equations	Example 4.28 The answer is \$32,800 in stocks and \$7,200 in bonds	Revise Step 7 to "Adnan should invest \$32,800 in stock and \$7,200 in bonds."	Typo
Chapter 4 - Systems of Linear Equations, Section 5 - Solve Systems of Equations Using Matrices	Example of changing a system of equations into a matrix in the "preamble" of 4.5. The first equation has a $-y$ and the corresponding entry in the matrix is 1, should be -1.	In the matrix, revise "1" to "-1".	Typo
Chapter 4 - Systems of Linear Equations,	Exercise 323 The answer given to part (d) of the question is incorrect. Five protein bars would give eighty	Revise the question stem as follows:	

Section 7 - Graphing Systems of Linear Inequalities	grams of protein, but the question specifies that he needs to "eat more than an additional 80 grams of protein." The answer should be, "No."	Mark is attempting to build muscle mass and so he needs to eat at least an additional 80 grams of protein a day. A bottle of ...	
Chapter 5 - Polynomials and Polynomial Functions, Section - Key Concepts	In the table at the top of the page, there is a typo in the Product to a Power identity. The exponents on both sides of the equation should be the same constant. (To match the formula earlier in the book, they should both be m.)	Revise the Product to a Power description in the Summary of Exponent Properties table to " $(ab)^m = a^m b^m$ ".	Typo
Chapter 5 - Polynomials and Polynomial Functions, Section 1 - Add and Subtract Polynomials	"Subtract $(p^2+10pq-2q^2)$ from (p^2+q^2) . Distribute.Rearrange the terms, to put like terms together.Combine like terms. $(p^2+q^2)-(p^2+10pq-2q^2)p^2+q^2-p^2-10pq+2q^2p^2-p^2-10pq+q^2+2q^2-10pq^2+3q^2$ the solution should be $-10pq+3$ not $-10pq^2+3$. I back checked it on 2 other sites and had the same answer I came to	In Example 5.6, the line beginning with "Combine like terms," replace " $-10pq^2$ " with " $-10pq$ ".	Other factual inaccuracy in content
Chapter 5 - Polynomials and Polynomial Functions, Section 1 - Add and Subtract Polynomials Chapter 5 - Polynomials and Polynomial Functions, Section 2 - Properties of Exponents and Scientific Notation Chapter 5 - Polynomials and Polynomial Functions, Section 3 - Multiply Polynomials	1(c): Answer should be "binomial, 2" 1(d): Answer should be "monomial, 0" 5: Answers should be: 5a) trinomial, 2 5b) monomial, 4 5c) binomial, 1 5d) quadrinomial, 3 5e) monomial, 0 7: Answers should be: 7a) binomial, 1 7b) trinomial, 2 7c) pentanomial, 3 7d) binomial, 3 7e) monomial, 0 31: Answer should be $-17x^6$ 45: Answer should be $12s^2-16s+9$ 51: Answer should be $11w-66$ 139: Answer should be $8m^{18}$	Revise answers as appropriate.	Incorrect answer, calculation, or solution

	<p>263: Answer should be $42m^5n^8$</p> <p>269: Answer should be $6k^3+11k^2-26k+4$</p> <p>277: Answer should be $9z^2+6/5z+1/25$</p>		
Chapter 5 - Polynomials and Polynomial Functions, Section 1 - Add and Subtract Polynomials, Exercise #68	Main typo is that the formula given is for a 200 foot cliff and the wording at the end says it's a 250 foot cliff. These numbers should agree. A minor nitpick: The first sentence says the girl is throwing a ball off a cliff and the description of the formula is for dropping a ball. (Also, technically speaking, if the girl is THROWING the ball off the cliff, the formula should use the number 203 or 204, depending on the distance above the cliff her throwing arm is!)	Revise question as indicated.	Typo
Chapter 5 - Polynomials and Polynomial Functions, Section 1 - Add and Subtract Polynomials, Exercises	5.1 Exercise #43: Answer should be $11a + 3$ (not $5a + 3$, as shown in solutions section).	Revise solution as appropriate.	Incorrect answer, calculation, or solution
Chapter 5 - Polynomials and Polynomial Functions, Section 1 - Add and Subtract Polynomials, Practice Makes Perfect	<p>The instructions to the first exercises read: Determine the Degree of Polynomials. \ In the following exercises, determine if the polynomial is a monomial, binomial, trinomial, or other polynomial.</p> <p>Whether the polynomial is a monomial, binomial, or trinomial is not related to its degree.</p>	<p>Revise the instructions for the Practice Makes Perfect as follows:</p> <p>Determine the Type of Polynomials</p>	Other factual inaccuracy in content
Chapter 5 - Polynomials and Polynomial Functions, Section 2 - Properties of Exponents and Scientific Notation, Exercises	5.2 Exercises #123 (b): Answer should be y^6/x^6 (not x^6/y^6 as shown in solutions section).	Revise solution as appropriate.	Incorrect answer, calculation, or solution
Chapter 5 - Polynomials and Polynomial Functions, Section 4 - Dividing Polynomials	Exercise 295: The v^5 in the solution should be v^4 .	Revise the solution to " $(5v^4)/(u^2)$ ".	Typo
Chapter 5 - Polynomials and Polynomial Functions, Section 4 - Dividing Polynomials	Exercise 301: The s^2 in the solution should be s^3 .	Revise the solution to " $6r^3 + 11r^2s - 8rs^3$ ".	Typo

Chapter 5 - Polynomials and Polynomial Functions, Section 4 - Dividing Polynomials	Exercise 311: Solution given is $2n^2 - 6n + 8$. Should be $2n^2 - 6n + 8 + 4/(n+3)$.	Revise the solution to " $2n^2 - 6n + 8 + 4/(n+3)$ ".	Typo
Chapter 6 - Factoring, Section 1 - Greatest Common Factor and Factor by Grouping	Exercise 15: The exercise is to factor $8p^2 + 4p + 2$. The given solution is $2(p^2 + 4p + 1)$.	Revise the solution to " $2(4p^2 + 2p + 1)$ ".	Typo
Chapter 6 - Factoring, Section 2 - Factor Trinomials	problem #69 in exercises says: $y^2 - 18x + 45$ Should be $y^2 - 18y + 45$. (Answer given is correct for this latter trinomial.)	Our reviewers accepted this change.	Typo
Chapter 6 - Factoring, Section 2 - Factor Trinomials Chapter 6 - Factoring, Section 4 - General Strategy for Factoring Polynomials Chapter 6 - Factoring, Section 5 - Polynomial Equations	109: Answer should be $-10q(3q+2)(q+4)$ 127: Answer should be $(x^2+3)(x+2)(x-2)$ 247: Answer should be $3xy(x-3)(x^2+3x+9)$ 257: Stem should be $4u^5+4u^2v^3$. Answer should be $4u^2(u+1)(u^2-u+1)$ 271: Stem should be $(3x+1)^2-6(3x+1)+9$ 299: Answer should be $x=2, x=-4/3$ 301: Answer should be $x=3/2$ 307: Stem should be $16p^3=24p^2-9p$ 311: Answer should be $x=0, x=-1/3$	Revise question stems and answers as appropriate.	Incorrect answer, calculation, or solution
Chapter 6 - Factoring, Section 2 - Factor Trinomials	In Example 6.18, the list of factors in the solution is missing the -3. In the third step of the solution, the little red numbers under the $15y^2$ should be $-1y, -15y$ $-3y, -5y$	In Example 6.18, revise the list of factors to: $-1y, -15y$ $-3y, -5y$	Typo
Chapter 6 - Factoring, Section 2 - Factor Trinomials	Exercise 107 I'm writing you regarding the Intermediate Algebra text. Specifically the 6.2 exercises number 107, the answer in the key is stated as $-16(x-1)(x-1)$, I am certain it is $-16(x+1)(x+1)$. If I find more I will let you know and if I am incorrect please advise.	Revise the solution to exercise 107 from " $-16(x-1)(x-1)$ " to " $-16(x+1)(x+1)$ ".	Typo
Chapter 6 - Factoring, Section 2 -	Exercise 127 Intermediate Algebra 6.2 exercises question 127 $x^4 - x^2 - 12$, we are asked to factor by substitution the answer key gives $(x^2 + 1)(x^2 -$	Revise the solution to " $(x^2 + 3)(x^2 - 4)$ ".	Typo

Factor Trinomials	7) . I am sure this is incorrect and the correct answer is $(x^2 + 3)(x^2 - 4)$.		
Chapter 6 - Factoring, Section 5 - Polynomial Equations, Key Concepts	p.176 --> It has the review of 'Find the LCM using the prime factors method' 2 times. This shall be the 'Listing Multiples Method' instead.	Revise the third bullet as follows: Find the LCM by listing multiples. Step 1. List the first several multiples of each number. Step 2. Look for multiples common to both lists. If there are no common multiples in the lists, write out additional multiples for each number. Step 3. Look for the smallest number that is common to both lists. Step 4. This number is the LCM.	Typo
Chapter 6 - Factoring, Section 5 - Polynomial	Try It 6.105 and 6.106 "A rectangular sign has area 30 square feet..." is not grammatically correct. I suggest "A rectangular sign has an area of 30 square feet..." This change is required for both Try It problems (p. 623 of PDF)	Replace "area 30" with "an area of 30" in both Try It 6.105 and 6.106.	Typo
Chapter 7 - Rational Expressions and Functions, Section 1 - Multiply and Divide Rational Expressions Chapter 7 - Rational Expressions and Functions, Section 2 - Add and Subtract Rational Expressions	39: Change stem to $(c^2-10c+25)/(c^2-25)$ $(c^2+10c+25)/(3c^2-14c-5)$. Answer should be $(c+5)/(3c+1)$ *parentheses are just to show groupings in numerators and denominators. 49: Answer should be $(x-2)/(8x(x+5))$ *parentheses are just to show groupings in numerators and denominators. 139: In stem, replace $11c/(c^2-4)$ with $10c/(c^2-4)$ *parentheses are just to show groupings in denominators.	Revise question stems and answers as appropriate.	Incorrect answer, calculation, or solution
Chapter 7 - Rational Expressions and Functions	I believe the numerator of the first fraction should be $x^2-4x-12$. This would allow the numerator to factor as $(x-6)(x-2)$, both factors cancelling in the final simplified answer. As it is printed $(x^2-4x+12)$ the numerator can't be factored over the reals and there is nothing to cancel.	Revise the numerator in the first fraction to " $x^2 - 4x - 12$ ".	Typo
Chapter 7 - Rational Expressions and Functions, Section 1 - Multiply and Divide Rational Expressions	7.1 Exercises, #45 has incorrect solution. Note that as given, the trinomials do <u>not</u> cancel out. If a sign was changed one way or another in the divisor expression, then the trinomials would cancel out (as seems to be expected).	Revise question stem to change the numerator in the second fraction to " $s^3 + 4s^2 + 16s$ ".	Other factual inaccuracy in content

Chapter 7 - Rational Expressions and Functions, Section 2 - Add and Subtract Rational Expressions	Exercise 128 The $-2q$ in the first denominator should be positive; otherwise, the two denominators have no common factor, which I believe was intended.	Revise the exercise as follows: $\frac{-13q - 8}{(q^2 + 2q - 24)} - \frac{(q + 2)}{(4 - q)}$	Typo
Chapter 7 - Rational Expressions and Functions, Section 2 - Add and Subtract Rational Expressions	Exercise 139 The solution is not correct. The solution would be correct if the numerator of the last term were $10c$, not $11c$.	Revise the last term in Exercise 139 to " $10c/c^2 - 4$ ".	Incorrect answer, calculation, or solution
Chapter 7 - Rational Expressions and Functions, Section 2 - Add and Subtract Rational Expressions	Try It 7.32 In Chapter 7, Try It 7.32, you are supposed to factor this expression " $x^2 - 3x + 10$ " but it can't be factored further.	Revise first denominator to " $x^2 - 3x - 10$ ".	Incorrect answer, calculation, or solution
Chapter 8 - Roots and Radicals, Section 2 - Simplify Expressions with Roots Chapter 8 - Roots and Radicals, Section 4 - Add, Subtract, and Multiply Radical Expressions Chapter 8 - Roots and Radicals, Section 5 - Divide Radical Expressions Chapter 8 - Roots and Radicals, Section 6 - Solve Radical Equations	73: In stem, replace m^{10} with m^4 107(c): In answer, replace denominator 4 with 2 165(c): In stem, replace \sqrt{n} with \sqrt{m} 175(c): In stem, replace 320 with 80 199(c): In answer, replace -54 with -55 237: In answer, replace 72 with 54 255: In answer, replace $4x^4 \sqrt{7y}$ with $x^2 \sqrt{28y}$ 287: In answer, replace m with x	Revise question stems and answers as appropriate.	Incorrect answer, calculation, or solution
Chapter 8 - Roots and Radicals, Section 4 - Add, Subtract, and Multiply Radical Expressions,	Question 11 In the intermediate algebra textbook section 8.4 "practice makes perfect" there is an error in the answer section. Question 11 a ($\sqrt{27} - \sqrt{75}$) the answer should be $(-2\sqrt{3})$ instead of $(4\sqrt{3})$	Revise solution as appropriate.	Typo

Practice Makes Perfect			
Chapter 8 - Roots and Radicals, Section 6 - Solve Radical Equations	Question 301 is: $\sqrt{u-3}-3=u$. When you solve this you end up with a non real answer using the quadratic formula. Online the solution is $u=3$, $u=4$. If you change it to $\sqrt{u-3}+3=u$ then you get the posted solutions.	Revise question stem to " $\sqrt{u - 3} + 3 = u$ ".	General/pedagogical suggestion or question
Chapter 9 - Quadratic Equations and Functions, Section 6: Graph Quadratic Functions Using Properties	Several places on pages 942 and page 943 have $h(x)$ when the function is in terms of t . Specifically Example 9.52 and Try it 9.103 and 9.104	Revise " $h(x)$ " to " $h(t)$ " where appropriate.	Typo
Chapter 9 - Solve Quadratic Equations Using the Square Root Property, Section 2 - Solve Quadratic Equations by Completing the Square Chapter 9 - Solve Quadratic Equations Using the Square Root Property, Section 4 - Solve Quadratic Equations in Quadratic Form Chapter 9 - Solve Quadratic Equations Using the Square Root Property, Section 7 - Graph Quadratic Functions Using Transformations	169: Answer should be $x=\pm \sqrt{11/2}$, $x=\pm \sqrt{7}$ 185: Answer should be $x=27/512$, $x=125$ 331: Change stem to $f(x)=x^2+4x+3$ (stem is currently a duplicate of 330)	Revise question stem and answers as appropriate.	Incorrect answer, calculation, or solution
Chapter 10 - Exponential and Logarithmic Functions, Section 1 - Finding Composite and Inverse Functions Chapter 10 - Exponential	47(a): In answer, replace $19x$ with $14x$ 119: In answer, replace 223 with 159	Revise answers as appropriate.	Incorrect answer, calculation, or solution

and Logarithmic Functions, Section 2 - Evaluate and Graph Exponential Functions			
Chapter 10 - Exponential and Logarithmic Functions, Section 4 - Use the Properties of Logarithms Exercises	Exercise 286 is not a question. The "?" should be replaced with a period.	Our reviewers accepted this change.	Typo
Chapter 10 - Exponential and Logarithmic Functions, Section 5 - Solve Exponential and Logarithmic Equations	In the One-to-One Property of Logarithmic Equations box, " $a > 0$ " is missing spaces (i.e. it should be " $a > 0$ ").	Our reviewers accepted this change.	Typo
Chapter 11 - Conics, Section 1 - Distance and Midpoint Formulas; Circles Chapter 11 - Conics, Section 3 - Ellipses	47(a): In answer, add radius = 2 107: Update graph to show correct coordinates	Revise answers as appropriate.	Incorrect answer, calculation, or solution
Chapter 12 - Sequences, Series and Binomial Theorem, Section 4 - Binomial Theorem	The solution for following exercise is incorrect: "Find the coefficient of the x^6 term of $(x+3)^9$ " Suggested solution in the book: "The coefficient of the x^6 term is 243.", but actually coefficient for x^6 term is 2268, step 4 is a mistake, " $9!/3!*6!$ " gives 84, not 9.	Revise the solution as indicated.	Incorrect answer, calculation, or solution
Chapter 12 - Sequences, Series and Binomial Theorem, Section 3 - Geometric Sequences and Series	Page 1192 in the pdf file in the definition of the geometric sequence it says that: "r, the common ratio, where r s greater than or equal to two." It should say "where n is greater than or equal to two."	In the definition of geometric sequence, revise "r" to "n".	Typo
Several locations	I have collected a list of errata as I was going through the problems and solutions while designing homework problems. I've attached a file; I hope it's helpful! Thank you for supporting OER materials. Elementary Algebra	Our reviewers accepted this change.	Incorrect answer, calculation, or solution

2.5 311b Missing interval $(108, \infty)$

3.2 87 $-8/5$ $-8/7$

4.1 5 $(-3, 2)$ $(-2, 3)$

4.1 25 1 point, consistent and independent No solution

4.1 47 $(6, 1)$ $(4, 5)$

4.1 53 $(9, 5)$ $(2, -3)$

5.2 123b x^6/y^6 y^6/x^6

5.4 301 $6r^3+11r^2s-8rs^2$ $6r^3+11r^2s-8rs^3$

5.4 311 $2n^2-6n+8$ $2n^2-6n+8+4/(n+3)$

6.1 27 $-2(x+4)$ $-2(x+2)$

6.3 177 $(7x-2)(7x+2)$ $(2-7x)(2+7x)$

6.5 283 $a=-5/4, a=6$ $a=-4/5, a=6$

6.5 325 -4 and 7 4 and 7

8.2 97 $(10m^2\sqrt{3m})/8$ $(5m^2\sqrt{3m})/4$

8.2 109b $(2cd\sqrt{5&2d^2})/5$ $(2cd\sqrt[3]{(d^2)})/5$

8.2 109c $(|mn|\sqrt{6&2})/2$ $|mn|/2$

8.4 173a $4\sqrt{3}$ $-2\sqrt{3}$

8.4 173c $3\sqrt[3]{2}$ $3\sqrt[4]{2}$

8.5 253b $-x^2/(2y^2)$ $-(2x^2)/(3y^2)$

9.3 115 $p=1/3$, $p=2$ $p=1/2$, $p=3$

9.3 127 $y=-2/3$, $y=-1$

$y=-2$, $y=1/3$

9.3 133 $v=2\pm 2\sqrt{2}$ $v=2\pm\sqrt{13}$

Section Number Incorrect Problem Correction

6.2 69 $y^2-18x+45$ $y^2-18y+45$

7.1 28 $(a^2-5z-36)/(81-a^2)$ $(a^2-5a-36)/(81-a^2)$

7.1 39 This problem & answer is incorrect.
Recommended correction: $(3c^2-16c+5)/(c^2-$

$$25) \cdot (c^2 + 10c + 25) / (3c^2 - 14c - 5)$$

Recommended answer: $((3c-1)(c+5)) / ((3c+1)(c-5))$

$$7.1 \quad 41 \quad (6m^2 - 2m - 10) / (9 - m^2) \cdot (m^2 - 6m + 9) / (6m^2 + 29m - 20) \quad (6m^2 - 13m + 2) / (9 - m^2) \cdot (m^2 - 6m + 9) / (6m^2 + 23m - 4)$$

This change will match the answer that is given in the back of the book.

$$7.1 \quad 45 \quad (3s^2) / (s^2 - 16) \div (s^3 - 4s^2 + 16s) / (s^3 - 64) \quad (3s^2) / (s^2 - 16) \div (s^3 + 4s^2 + 16s) / (s^3 - 64)$$

$$7.2 \quad 139 \quad c / (c+5) + 5 / (c-2) - 11c / (c^2 - 4) \quad c / (c+5) + 5 / (c-2) - 10c / (c^2 - 4)$$

$$8.4 \quad 175c \sqrt[4]{5-3/2} \sqrt[4]{320} \sqrt[4]{5-3/2} \sqrt[4]{80}$$

$$8.6 \quad 301 \quad \sqrt{(u-3)-3} = u \quad \sqrt{(u-3)+3} = u$$

Prealgebra

$$10.5 \quad 355 \quad 1/y^6 \quad 1/p^6$$