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# College Algebra

Release Notes

**Current Revision:** E1 V5
**Date of publication:** February 1, 2021

*Note: E stands for Edition and V stands for Version. Editions are provided by authors of content and Versions are released throughout the year in response to technical updates and bug fixes.*

## History of revisions:

| Revision | Published to Starter Bundle | Release Notes |
|---|---|---|
| E1 V5 | February 1, 2021 | One question fixed. See notes below. |
| E1 V4 | January 21, 2021 | See List of Improvements below for details. |
| E1 V3 | December 18, 2020 | Several minor text corrections and bug fixes. |
| E1 V2 | June 16, 2020 | A number of maple-graded questions were fixed that were broken in E1 V1. |
| E1 V1 | December 17, 2019 | Original publication date. |

## List of improvements in E1 V5:

### ASSIGNMENTS

| Assignment | Question in repository | Notes |
|---|---|---|
| **Assignment 6.5** | Question 026 | Fixed: Students get incorrect grading some times, even though the response is correct. |

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List of improvements in E1 V4:

**LESSONS**

| Lesson | Question or Page | Notes |
|---|---|---|
| **Lesson 1.1, Example 12d Solution** | 1.1.3.8a Simplifying Algebraic Expressions | Typo fixed:<br>Incorrect: =5mn=5m+n<br>Correction: =5mn-5m+n |
| **Lesson 1.2, Example 12** | 1.2.9.2a Using Scientific Notation in Applications | Typo fixed:<br>Incorrect: (8.14x6.5)(10^-7 x 10^10)<br>Correction: (4/-1.52)(10^5 / 10^9) |
| **Lesson 1.4 Example 5** | 1.4.3.2a Using FOIL to Multiply Binomials | Typo fixed:<br>Incorrect: (2x-10)<br>Correction: (2x-18) |
| **Lesson 1.4 Perfect Square Trinomials** | 1.4.3.3a Perfect Square Trinomials | Typo fixed:<br>Incorrect: (x+5)^2 twice<br>Correction: (4x-1)^2 the second time |
| **Lesson 2.1** | 2.1.2a Graphing Equations by Plotting Points | Fixed: The equation in example 2 was incorrect. |
| **Lesson 2.1** | 2.1.6c Using the Midpoint Formula | The first point should be (-1, -4) not (-1, 4) … missing a negative sign in front of the first 4. |
| **Lesson 2.2** | 2.2.3.4a Vertical and Horizontal Lines | Fixed: Wrong plot in Figure 3. |
| **Lesson 2.2 Example 15 Solution** | 2.2.5a Writing the Equations of Lines Parallel or Perpendicular to a Given Line | Typo fixed:<br>Incorrect: 3y=5x+1<br>Correction: 3y=-5x=1 |
| **Lesson 2.7, Table 1** | 2.7.1a Using Interval Notation | Typo fixed: "x is all real numbers" should be "x is a real number" Note: This typo also appears in the original OpenStax text |
| **Lesson 3.3, Example 3** | 3.3.1c Finding the Average Rate of Change of a Function | Typo fixed: the number under the 6 should be 292, not 282 |

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| Lesson 7.1 | 7.1.2a Solving Systems of Equations by Graphing | Typo fixed: 3rd line from the bottom should be (-3) – (-2) and not (-3) – (-3). |
|---|---|---|

## ASSIGNMENTS

| Assignment | Question | Notes |
|---|---|---|
| **Assignment 3.1** | Question 076-078 | Fixed: Question was explicitly asking not to use commas in the numbers for the interval answer, but the feedback does exactly that. |
| **Assignment 3.4** | Question 023 | Fixed: the answer should be printf("(-infinity, -$a)U($a, infinity)") and not the currently-coded printf("($a, infinity)") |
| **Assignment 4.1** | Question 43 | Typo fixed: Instruction "Enter your answer as a points …" has an extra "a". |
| **Assignment 6.4** | Question 018 | Fixed: For the domain, the answer was listed as printf("(-infinity, $b/3)") while it should be the opposite, ($b/3,infinity). |
| **Chapter 6 Review Assignment** | Question 025, Feedback | Typo fixed: Divide by $a" is missing a negative sign, it should be x > -$n not x > $n. |