

Algebra 2 - 2.0 - Error List

August 15, 2016

Errors in the current printing:

- Problem Set 1, Problem 25 – On the CD solution video, the original equation is shown as $x \div \frac{1}{3} = 3$, but it should be $x \div \frac{1}{3} = 2$. The rest of the solution uses the correct equation.
- Problem Set 35, Problem 5 – On the CD, the solution that appears is the solution to problem 5 in problem set 33. So the solution for problem 5 of problem set 35 is missing.
- Problem Set 47, Practice C – On the CD, the numerator should be “13” but the program moves the cursor from the first input box to the second input box after only one digit is entered. You can still enter “13” by manually selecting the first input box after having already entered a number.
- Problem Set 59, Practice A – On the CD, at the very end of the solution video, an expression other than the final answer is circled.
- Lecture 108 – Less than halfway into the lecture, at the bottom of the page, the phrase “When $y = 3$, $x < 2$ ” should say “When $y = 3$, $x \leq 2$ ” instead.
- Problem Set 114, Problem 19 – The problem on the CD should be $|x - 4| = 13$. Instead, it is $x - |4| = 13$. The solution and textbook are correct.
- Lecture 123 – Approximately a quarter of the way through the lecture, the equation $y = (1+2)3^x$ that appears at the bottom of the page should say $y = (1+2)^x$ instead.
- Chapter 6 Test, Problem 10 – Shortly after $\frac{27x^{-12}}{5x^2}$ appears on the screen, the speaker incorrectly says that 27 is a prime number.
- Chapter 8 Test, Problem 20 – On the CD input, the numerator should be “25” but the program moves the cursor from the first input box to the second input box after only one digit is entered. You can still enter “25” by manually selecting the first input box after having already entered a number.

Errors that occurred in old printings.

- Problem Set 6, Problem 15 – In the textbook, option E should be “ $-7(-2+4)$,” but E is not the correct answer.
- Problem Set 9, Problem 21 – The problem mistakenly accepts 1 as the answer instead of the correct answer of 5.
- Problem Set 9, Problem 24 – The “check-it” button does not function properly but the user can still press “Enter” to answer the question.
- Problem Set 26, Problem 10 – The audio in the solution should say “And the next step is to take negative four times two x ...” rather than “And the next step is to take negative four times x squared...”
- Problem Set 27, Problem 19 – In the solution, the problem step that shows “ $\frac{x}{15} = \frac{6}{15}$ ” should instead be “ $\frac{15x}{15} = \frac{6}{15}$.”
- Problem Set 27, Problem 21 – In the solution, the problem step that shows “ $30 = 20 + 25x + 15x$ ” should instead be “ $30 = 20 + 25x - 15x$.”
- Problem Set 28, Problem 21 – In the solution, the problem step that shows “ $1,750 - 1,700 = 1.25x + 1,700 - 1,700$ ” should instead be “ $1,750 - 1,700 = 1.25x + 1,700 - 1,700$.”
- Problem Set 29, Problem 17 – The audio in the solution says “It might be tempting to cancel this $3x + 3$ with one of these $x + 2$ ’s ...” but should instead say “It might be tempting to cancel this $3x + 2$ with one of these $x + 2$ ’s ...”
- Problem Set 42, Problem 14 – In the textbook and on the CD, option B should be “ $\frac{1}{z^8}$,” and B is the correct answer.
- Problem Set 45, Practice D – In the textbook, option A should be “ $\frac{-1 + \sqrt{133}}{3}, \frac{-1 - \sqrt{133}}{3}$,” but A is not the correct answer.
- Problem Set 45, Problem 12 – In the textbook, the problem statement should be “ $\frac{3}{y-5} - \frac{5y-16}{y^2-7y+10}$.”

- Problem Set 48, Problem 19 – In the textbook, option D should be “ $\frac{-5+\sqrt{23}}{2}$, $\frac{-5-\sqrt{23}}{2}$,” and D is the correct answer.
- Problem Set 49, Problem 21 – In the textbook, options A and B should be “ $\frac{-9+\sqrt{69}}{6}$, $\frac{-9-\sqrt{69}}{6}$,” and “ $\frac{-9+\sqrt{93}}{6}$, $\frac{-9-\sqrt{93}}{6}$,” respectively, and A is the correct answer.
- Problem Set 60, Problem 5 – In the textbook, options C and E should be “ $\frac{\sqrt{2}}{7}i$ ” and “ $\frac{\sqrt{14}}{7}i$ ” respectively, and E is the correct answer.
- Problem Set 61, Practice D – In the textbook and on the CD, option B should be “ $\sqrt{\frac{13+\sqrt{257}}{2}}$, $-\sqrt{\frac{13+\sqrt{257}}{2}}$,” but B is not the correct answer.
- Problem Set 70, Problem 14 – In the textbook, option A should have the ordered pairs as “(0, -5) and (1, -3),” and A is the correct answer.
- Lesson 79, Page 371 – In the highlighted section in the left column, the phrase “the equation tells us the vertex” should have the word “vertex” replaced with the word “center.”
- Problem Set 81, Problem 8 – In the textbook, option D should be “ $2y^3 + 5y^2$,” but D is not the correct answer.
- Problem Set 82, Problem 3 – The hint should say “Use the distance formula: $d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$. Make (3, 1) the first point and (9, 5) the second point. Then plug in the coordinates and calculate d.”
- Problem Set 85, Practice D – In option B on the CD, the ordered pair “(-2, 6)” should be “(-2, -6),” but B is not the correct answer.
- Problem Set 104, Problem 1 – The answer in the answer key should be “ $3\sqrt{13}$.”
- Problem Set 109, Problem 9 – In the textbook, option A should be “ $y = 5x + (-7)$,” and A is the correct answer.

- Problem Set 109, Problem 10 – The program mistakenly accepts E as the answer instead of the correct answer C.
- Lesson 120, Page 605 – At the end of the lesson, the equations “ $r(x) = 2x^4 - 4x^3 - 4x^3 - 8x^2$ and $r(x) = 2x^3 - 8x^3 - 8x^2$ ” should be “ $r(x) = 2x^4 - 4x^3 - 4x^3 + 8x^2$ and $r(x) = 2x^3 - 8x^3 + 8x^2$ ” respectively.
- Problem Set 122, Problem 10 – In the textbook, the table for $h(x)$ should have a y value of 1 when $x = 0$ and the table for $k(x)$ should have a middle y value of 1 rather than 0.
- Problem Set 128, Problem 3 – The feedback response showed that the user selected B when they had selected D and showed that the user selected D when they had selected B. Option B is the correct answer.
- Problem Set 134, Problem 20 – In the textbook, option A should have the ordered pairs as “(0, -3) and (5, -1),” and A is the correct answer.
- Chapter 15 Test, Problem 12 – The problem would not accept the correct answer as it was looking for extra input from the user. The correct answer is “ $Q = 12.77$.”