

## Algebra 1 - 2.0 - Error List

July 1, 2016

### Errors in the current printing:

- Lesson 47, Practice B and Problems 10 and 11 – On the CD, the lesson reference numbers (the number listed in the upper-right corner that tells which lesson this type of problem is from) are incorrect. Problem 10 should list 28 as the lesson reference number while Practice B and Problem 11 should list 35.
- Lecture 73 – About 5/6 of the way into the lecture, the teacher says that  $5x^{-2}$  is the same as  $\frac{1}{5x^2}$ , but the negative exponent is only being applied to the  $x$ , so  $5x^{-2}$  is actually supposed to be  $\frac{5}{x^2}$ . This error exists in both the audio and video.
- Problem Set 91, Problem 14 – The solution on the CD rounds the answer incorrectly and should give the answer as “ $x = 2.22, x = -0.22$ .”
- Lecture 112 – Approximately 20% into the lecture, at the top left of the page, the equation should read  $y = \frac{1}{3}x - 7$ . It should read  $-7$  instead of  $+7$ .
- Lesson 128, Problem 12 – On the flash CD, the point on choice C is labeled (3, 7) but is actually at (2, 7). It should be (3, 7).
- Problem Set 130, Problem 12 – The hint should say “Since you don’t have the y-intercept, set up the equation in point-slope form and use (-3, 5).” Also, this graph is drawn incorrectly on the CD. The leftmost point says (-3, 5) but it is actually at the point (-5, 3). (-3, 5) is the correct point and should be used for calculations.

### Errors that occurred in old printings. None of these are in new textbooks or CDs sold after July 1, 2016.

- Problem Set 15, Practices A and B – There is a “Next Page” button in the top right corner of the CD. There is no second page for these problems.
- Problem Set 18, Practice E – The hint should say “94.25% of the total number of mice has to equal 75,400.”

- Problem Set 23, Problem 13 – You can't select option E on the CD, but E is not the correct answer.
- Problem Set 49, Problem 10 – The solution for this problem is actually the solution for problem 11.
- Problem Set 49, Problem 11 – The solution for this problem is actually the solution for problem 9.
- Problem Set 50, Problems 4 & 6 – The program will count the correct answers as incorrect. The answers should be:  
 Problem 4:  $(-1) * (2) * (3) * (3) * (5) * (x)$   
 Problem 6:  $(-1) * (2) * (2) * (2) * (2) * (3) * (x)$
- Problem Set 51, Problem 4 – The program will count the correct answer as incorrect. The answer should be:  
 $(-1) * (2) * (3) * (3) * (5) * (x)$
- Problem Set 52, Problem 2 – The program will count the correct answer as incorrect. The answer should be:  
 $(-1) * (3) * (3) * (3) * (3) * (y)$
- Problem Set 53, Problem 3 – The program should accept option E as the correct answer rather than option B.
- Problem Set 56, Problem 10 – The problem's voice on the CD is incorrect and does not match the text on screen. The text is correct.
- Problem Set 59, Practice C – On the CD, choice A should be " $\frac{4+2x}{3x}$ ."
- Problem Set 77, Practice B – The solution on the CD does not match the problem. The correct answer is choice B.
- Problem Set 81, Problem 16 – The answer for option B should be " $\frac{13x^3 - 26}{x^3 - 2}$ ," but B is not the correct answer.
- Problem Set 85, Practice A – The problem statement should read " $y^2 + 12y$ "
- Chapter 11 Test, Problem 15 – The equation for this problem should be " $\frac{\frac{25}{4x}}{\frac{10x^2}{8x^4}}$ ."

- Problem Set 91, Problem 14 – The correct answer to this problem in the answer key and on the CD should be “ $x = 2.22, x = -0.22$ .”
- Problem Set 95, Practice A – The answer for option B should be “ $\frac{4}{7}x^4yz^2$ ,” but B is not the correct answer.
- Chapter 13 Test, Problem 12 – The second fraction should have a numerator of “ $2ab$ .” The correct equation is “ $\frac{a}{a-b} - \frac{2ab}{a^2-b^2}$ .”
- Problem Set 106, Practice C – The answer for option B should have the ordered pair “(1, 5)” in the uppermost point, but B is not the correct answer.
- Problem Set 106, Problem 21 – The answer for option C should correctly show “ $y = 2x - 1$ ” rather than “ $y = 2x$ ,” and C is the correct answer.
- Problem Set 111, Problem 17 – The answer for option B should have the coordinate “(1, -1)” rather than “(1, 1),” but B is not the correct answer.
- Problem Set 115, Problem 18 – The lesson reference number for this problem should be 115, not 117.
- Chapter 16 Test, Problem 22 – Option C should have the ordered pair “(0, 6)” in the uppermost point, but this is not the correct answer.
- Lesson 120, Page 616 – The phrase “For example,  $\sqrt{9-4}$  means...” should instead be “For example,  $x \geq 8$  means...”
- Lesson 121, Page 623 – In the table for “Multiplying by a positive,”  $\sqrt{5} + 3$  should be  $8 > 3$  and  $\sqrt{5} - 3$  should be  $8(2) > 3(2)$ .
- Lesson 121, Page 623 – In the table for “Multiplying by a negative,”  $\sqrt{5}$  should be  $8 > 3$ .
- Lesson 121, Page 623 – In the paragraph at the bottom of the page,  $\sqrt{5} + 3$  should be  $8 > 3$ .
- Lesson 121, Page 624 – In the first paragraph,  $2\sqrt{5}$  should be  $12 > 6$ ,  $\sqrt{7} + \sqrt{7}$  should be  $\frac{12}{-3} > \frac{6}{-3}$ , and  $2\sqrt{7}$  should be  $-4 < -2$ .
- Lesson 121, Page 624 – In the second paragraph,  $3x + 2x = 5x$  should be  $-3x \geq 18$ .

- Problem Set 123, Problem 19 – The answer for option D should be “ $x \geq 8$ ” rather than “ $x \geq -8$ ,” but D is not the correct answer.
- Problem Set 135, Practice A – The answer for option D should be “Domain: All real numbers greater or equal to 9; Range: All real positive numbers and 0,” but D is not the correct answer.
- Problem Set 140, Problem 4 – In the solution, the answer for option E should be “Domain: All real numbers; Range: All negative real numbers and 0,” and E is the correct answer.
- Chapter 19 Test, Problems 18 and 19 –

If the stem-and-leaf plot is as below then the answers should be:

18. 4; Mode = 3.2

19. Median = 3.8; Range 9.2

Stem	Leaf
0	3 4 4
2	0 1 1 3 5
3	2 2 2 6 8
4	7 9
6	6 6 7 9
7	3 4 4
9	1 2 5
10	0 = 1.0

If the stem-and-leaf plot is as below then the answers should be:

18. 5; Mode = 49

19. Median = 50.5; Range 88

Stem	Leaf
1	0 1 3 3 4
2	1 1 2 5 7
4	8 9 9 9
5	0 1 2 5 6
6	3 3 4
8	6 7 7 9
9	3 4 4 8
10	0 = 10