



270546 ALGEBRA 1 Student Text, Third Edition, © 2012

Corrections

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| <u>Page</u> | <u>Section</u> | <u>Correction</u> |
|-------------|----------------|--|
| 101 | Ch. 3 | The final two steps of Example 7 should read $5u = 650$ and $u = \frac{650}{5} = 130$ used cars. |
| 106 | Ch. 3 | The denominator of the first fraction in Example 1 should be ZX , not ZY . |
| 110 | Ch. 3 | The length of side TR in exercise 17 should be labeled 8, not 5. |
| 140 | Ch. 3 | Portions of equations were not printed in the student text. 1. $d = \frac{m}{v}$; 4. $\frac{a}{b} - \frac{1}{c} = d$; 5. $S = \frac{3A}{R-A}$; 6. $a = \frac{v_2 - v_1}{t_2 - t_1}$; 11. $\frac{12}{25} = \frac{20}{y}$; 12. $\frac{x-1}{6} = \frac{x+1}{9}$; 22. $\frac{1}{5}$ |
| 203 | Ch. 5 | The horizontal axis for exercise 2 graph should be labeled Time with 12 AM at the origin and at the end of the axis. |
| 272 | Ch. 6 | In exercise 30, the line on the graph should be dashed. |
| 290 | Ch. 7 | Equations were printed incorrectly. A copy of this step can be inserted in the student text. <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> <p>the Moores $2a + 3c = 82$ $2a = -3c + 82$ $a = -\frac{3}{2}c + 41$</p> </div> <div style="width: 45%;"> <p>and the Smythes $3a + 5c = 130$</p> <p>$3\left(-\frac{3}{2}c + 41\right) + 5c = 130$ $-\frac{9}{2}c + 123 + 5c = 130$ $2\left(-\frac{9}{2}c + 123 + 5c\right) = 2(130)$ $-9c + 246 + 10c = 260$ $c + 246 = 260$ $c = 14$</p> <p>$a = -\frac{3}{2}(14) + 41$ $a = -21 + 41$ $a = 20$</p> </div> </div> |

- 299 Ch. 7 In exercise 36 in the first equation, $3x + y$ should be $3x - y$.
- 336 Ch. 8 In exercise 34, switch labels for side and bottom diagram. In exercise 35, the label " $3x^3y$ " should be moved to the top left edge of the figure.
- 362 Ch. 8 In exercise 32, the ball should bounce $\frac{2}{5}$ of its previous height, not $\frac{3}{5}$.
- 362 Ch. 8 The caption for the photo should read "0.7 to 1.5 μm " not "0.7 to 1.5 mm."
- 418 Ch. 10 In exercise 1, the constant term should be 12, not 4.
- 419 Ch. 10 In exercise 46, replace "factoring" with "dividing" and "10.1" with "9.6."
- 429 Ch. 10 Exercise 13 should read $a^2 - 9$, not $a^2 - 9^2$.
- 433 Ch. 11 The middle expression in the solution to Example 3b should read

$$\sqrt[3]{-\frac{27}{125}} = \sqrt[3]{\left(-\frac{3}{5}\right)^3} = -\frac{3}{5}.$$
- 433 Ch. 11 The middle expression in the solution to Example 3c should be a fifth root, not a third root.
- 454 Ch. 11 In the table for exercises 13-15, the last column heading should read $\sqrt{(x + y)}$, not $\sqrt{(x + v)}$.
- 500 Ch. 12 In the paragraph preceding Example 4 and in the second line of Example 4, the units of velocity should be ft/sec, not ft/sec².
- 511 Ch. 12 Insert the following paragraph between the definition and Example 1: In section 8.4 you were introduced to the parabolic graph of the basic quadratic function $f(x) = x^2$. The graph of any quadratic function is also a *parabola*.
- 521 Ch. 12 In exercise 38, replace "foot" with "meter."
- 575 Ch. 13 In exercise 32, the middle term of the first denominator should be $7x$ not $8x$.
- 581 Odd Answers The answer to Section 3.5 question 31 should be 0.7%, not 6.6%.
- 581 Odd Answers The answer to Section 3.6 question 45 should be $\frac{197}{48}$, not $\frac{59}{48}$.
- 592 Odd Answers The graph for Section 7.7 exercise 45 should be a solid line instead of a dashed line.
- 594 Odd Answers The answer to Chapter 7 Review exercise 17 should be $(-4, 19)$ not $(-4, 9)$.
- 594 Odd Answers The answer to Section 8.3 exercise 33 should be 2.25×10^8 m; 2.25×10^5 km.

602 Odd Answers The answer to Section 12.8 exercise 37 should be $(-1, -1.5)$, not $(-1, 1.5)$.

604 Odd Answers The answer to Section 13.4 exercise 23 should be $\frac{d(d+28)}{6(d+4)(d-4)}$.

604 Odd Answers The answer to Section 13.4 exercise 29 should be $\frac{y(2y^2+y-15)}{(y+2)(y+5)^2}$.

605 Odd Answers The answer to Chapter 13 review exercise 15 should be $7x + 5$, not $7x - 5$.