Errata in The Cartoon Guide to Alegebra

p. 94. PROBLEM 4 AND PROBLEM 7 ARE THE SAME.

p. 114. THE GRAPH OF **2d** IN THE ANSWER KEY (p. 226) DOES NOT MATCH $4y = 8 - 2x$. IT IS ACTUALLY $4y = -8 - 2x$.

p. 119. THE THIRD EXAMPLE UP FROM THE BOTTOM RIGHT CORNER SHOULD BE:
$3^2 3^3 = 3^{2+3} = 3^5 = 243$.

p. 168. THE DIAGRAM FOR PROBLEM 5 IS MISLABELED. THE MIDDLE HANGING PIECE SHOULD BE LABELED **3** (NOT 4). BOTH THE PROBLEM AND THE SOLUTION (p. 228) USE **3**.

p. 168. IN PROBLEM 9, IT IS NOT POSSIBLE TO HAVE A BATTING AVERAGE OF .290 WITH ONLY 92 AT-BATS. (YOU CAN ONLY GET .283 OR .293.)
THE ANSWER TO PROBLEM 10 (p. 228) IMPLIES THAT MOMO'S SECOND HALF BATTING AVERAGE SHOULD BE **.300** WITH **100** AT-BATS.

p. 177. THE EQUATION IN THE LOWER RIGHT CORNER SHOULD BE:

$$x^2 + \frac{bx}{a} + \frac{c}{a}$$

p. 215. STEP 6. FROM STEP 3, FIND

$$r = \frac{b}{2} - p \quad \text{AND}$$

$$s = \frac{b}{2} + p$$

CORRECTED ANSWERS

p. 224.
CHAPTER 1: 2i: 0.47
CHAPTER 2: 1a: 4

p. 225.
CHAPTER 4: 1h: 3
CHAPTER 6: 5: THE EQUATION IS $2x + \frac{8x}{3} + 9 = 303$, AND THE FRAME IS 63" x 84".

p. 226.
CHAPTER 7: 12: 2,000 POUNDS OF COD AND 3,000 POUNDS OF BASS.
CHAPTER 8: 2d: (SEE NOTE FOR p. 114)
CHAPTER 9: 4c: $6x^5$
4k: $32x^3$

p. 227.
CHAPTER 10: 3c: $\frac{x^2}{b^2}$

NOTE: $\frac{x^2+b^2}{bx}$ IS ACTUALLY $\frac{x}{b} + \frac{b}{x}$

p. 228.
CHAPTER 13: 4b: $1{,}000^2 - 5^2 = 999{,}975$
4c: $20^2 - 2^2 = 396$
4d: $30^2 - 5^2 = 875$
9b: $a^4 - b^2$
9d: $\frac{x^2}{2} + \frac{7x}{6} + \frac{2}{3}$
9n: $x^5 - 2x^4 + 2x^3 - 2x^2 + 2x - 1$
NOTE: $(x^5 + 1) = (x+1)(x^4 - x^3 + x^2 - x + 1)$

p. 229.
CHAPTER 14: 1d: $2 + 4\sqrt{3}$
1n: $\frac{1}{3}\sqrt{2}$
4: $\sqrt{8} = 2\sqrt{2}$, AND $2\sqrt{2} + \sqrt{2} = 3\sqrt{2}$
5: $\sqrt{(45)(5)} = \sqrt{3^2 \cdot 5^2} = 15$
12c: $2 - \sqrt{2}$