Just Enough Algebra, 2012 edition — Textbook errata

Please let your professor know if you find other mistakes.

Chapter 1 Variables

Prelude: approximation
-

1.1 Variables and functions
- p. 6 in the last centered formula $2.099 should be $2.900

1.2 Tables and graphs
-

1.3 Rate of change
-

1.4 Units
- p. 28 under *Do you know . . .* add the question: "How to decide whether to multiply or divide?"

1.5 Metric prefixes and scientific notation
-

Chapter 2 Equations

2.1 A first look at linear equations
- p. 48 in 2.1#10 change "traffic levels ~~with~~" to "traffic levels will." Change "for the next couple of ~~years~~" to "for the next couple of weeks." In part (b), replace all "years" with "weeks".
- p. 195 in the answer to 2.1 #7d the table values for C should be 0, 125, 250, 375, 500.

2.2 A first look at exponential equations
- p. 196 in the answer to 2.2 #7(a) replace $Y = 42.7*1.17^Y$ with $U = 42.7*1.17^Y$
- P.49 mid page insert "This means her salary rose by 21% . . ."
- P. 52 mid page delete "and H ~~for the~~ (instead of $4.32 trillion)"

2.3 Using equations
-

2.4 Approximating solutions of equations
- p. 69 in 2.4 #6 (b) change "$20 billion" to "$20 million" and (c) change "$50 billion" to "$50 million."
- p.198 the answer to 2.3 #7 (b) should be 4 inches at 31.64%

2.5 Finance formulas
- p.73 near bottom delete "Imagine $1 in the account (p=1) for one year (y=1) ~~with~~ at 1.2% interest . . ."
- p.199 in the answer to 2.5 #6(b) the R-values in the table should be in this order 0, 6, 11, 1.9

Chapter 3 Solving equations

3.1 Solving linear equations
- p. 87 in 3.1 #10 replace ". . . county manager predicts traffic levels ~~with~~ increase . . ." by ". . . county manager predicts traffic levels will increase . . ."

3.2 Solving linear inequalities
- p.200 in the answer to 3.2 #5(d) replace "between -29 and -4" with "between -29 and +4"

3.3 Solving power equations (and roots)
-

3.4 Solving exponential equations (and logs)

-

3.5 Solving quadratic equations

- p. 201 in the answer to 3.5 #10 for part (c) replace "just ~~under~~ 2 seconds (~~1.501~~ seconds)" with "just over 2 seconds (2.060 seconds)" and in part (d) replace "1 seond" with "1 second"

Chapter 4 A closer look at linear equations

4.1 Modeling with linear equations

- p.202 the answers to 4.1 #6 are correct and in order, but the parts are mislabeled. The answer to part (a) is correct. The answer to part (b) appears now labeled (b) and (c). The answer to part (c) is the table currently labeled (d). The answer to part (d) is currently labeled (e). The answer to part (e) is currently labeled (f) and (g). The answer to part (f) is the table currently labeled (h). The answer to part (g) is "graph." The answer to part (h) is currently labeled (j)

4.2 Systems of linear equations

-

4.3 Intercepts and direct proportionality

-

4.4 Slopes

- p. 142 near bottom change "~~The~~ normally charge $18 per . . ." to "They normally charge $18 per . . ."

4.5 Fitting lines to data

-

Chapter 5 A closer look at exponential equations

5.1 Modeling with exponential equations

- p.160 in the third paragraph delete "What ~~was it~~ was it worth at . . ."
- p.162 at end of second paragraph insert "Seems to be around the year 2029 . . ."
- p. 164 in #7 (a) replace "Story also appears in ~~5.2 #3 and 5.3 Exercises~~" with "Story also appears in 5.3 #3".
- P.169 near the top delete "and after 5 hours ~~is~~ was at 498.4 mg."

5.2 Exponential growth and decay

-

5.3 Growth factors

- p. 174 near the bottom delete "The growth factor of g=1.0381 in our equation must come ~~must come~~ from . . ."
- p. 176 in# 7 add part (c) Find the corresponding annual percent increase.

5.4 Linear vs. exponential models

-

5.5 Logistic and other growth models

-