A Transition to Advanced Mathematics
Errata for Version 1.04

Page vii, line 16: "36" should be "37".

Page 61, Proposition 7.14: Insert a comma before "then".

Page 73, Proposition 9.4: Insert a comma before "then".

Page 73, Proposition 9.5: Insert a comma before "then".

Page 87, Proposition 12.1: Insert a comma before "then".

page 100, line −2: change "conclude that" to "then".

page 129, line −1: change "shows" to "show".

Page 152, line 12: remove the ")" at the end of the line.

page 167, Exercise 22.7, line 2: Change "Note that your" to "Your".

page 168, Definition 23.1: Change "$k \in \mathbb{N}$" to "$k \in \mathbb{Z}$".

page 170, line −5: Change "$a + c = (b + nk) + (c + n\ell) = b + c + n(k + \ell)$" to "$a + c = (b + nk) + (d + n\ell) = b + d + n(k + \ell)$".

page 184, Exercise 24.2: Change "Exercise 24.5" to "Example 24.5".

page 185, Exercise 24.6: Change "give a proof or disproof for that claim" to "give a proof of that claim too."

page 188, Example 25.8, Change the last two lines as follows:

"The relation R is a function from $\text{dom}(R)$ to $\text{im}(R)$. (Why?)
The relation R^{-1} is not a function from $\text{dom}(R^{-1})$ to any set. (Why?)"

page 208, line 4: Change "This rule perfect sense." to "This rule makes perfect sense."

page 257, Exercise 34.10: Change the first sentence of the hint at the end to read "Feel free to use laws of logarithms as well as the fact that for any a and b in the positive real numbers, $a < b$ if and only if $\ln(a) < \ln(b)$."