Errata

Mathematics: A Discrete Introduction, third edition

This is a list of errors found in Mathematics: A Discrete Introduction, 3rd edition, by Edward Scheinerman. If you find errors, please report them to me at ers@jhu.edu. Thank you.

- Inside front cover: “Proof of Templates” should be “Proof Templates”.
- Page 14, Exercise 4.12(b). The question asks for a conjecture about the sum of consecutive cubes, but the explanatory sentence “clarifies” by asking: what can you say about $1^3, 1^3 + 3^3, 1^3 + 3^3 + 5^3, 1^3 + 3^3 + 5^3 + 7^3$ and so on. That’s an error that seems to be asking for a conjecture about the sum of consecutive odd cubes (not what was intended). The explanatory sentence should say, what can you say about $1^3, 1^3 + 2^3, 1^3 + 2^3 + 3^3, 1^3 + 2^3 + 3^3 + 4^3$, and so on. [Ethan Duckworth, Timothy Brauch]
- Page 15, Exercise 4.12(c). The parenthetical condition, that no two of the lines are parallel, should also include the condition that no three of the lines are concurrent (go through the same point). [Jennifer Beineke]
- Page 23, Exercise 5.14. “Let $x$ be an integers” should read “Let $x$ be an integer”. [Alexander Johnson]
- Page 50, Exercise 10.2(d). The number 49 is missing from the set. [Jennifer Beineke]
- Page 132, just before equation (14). “To prove Equation (18)” should read “To prove Equation (13)”. [Alexander Johnson]
- Page 354, proof of Theorem 50.11. The arrows marking the parts of the proof are facing the wrong directions. The first one should be $(\Rightarrow)$ and the second should be $(\Leftarrow)$. [Steven Chestnut]
- Page 425, solution to Chapter Self Test problem 14. The next-to-last sentence should read: “Since $a + 1$ is an integer, $3 | (3a + 3)$.” [Nicholas Greeby]
- Page 436, solution to Chapter 2 Self Test problem 13(g). The correct answer is “True”. [Jennifer Beineke]

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