1 Errata

This page lists known errors in the supplemental calculus text. The changes listed here have been corrected in any version posted to Coursework after the indicated date. Thank you to careful readers who spotted these mistakes!

1. Section 2.1, Definition 2.2: \{ (a, f(a)) \mid a \in A \} or \{ (x, f(x)) \mid x \in A \} (November 2)

2. Section 3.1, Example 3.2: 
   \(|(x-1)|^2 + 2|x-1| < \delta^2 + 2\delta \leq 4\delta^2\) and “4\delta \leq \epsilon” (November 5)

3. Section 4.3, Worked Example: 0 changed to e in the last equation. (October 29)

4. Section 5.6, Example 5.5: \(f'(t)\) changed to \(f'(a)\) in the equation for a line. (October 29)

5. Section 8, Exercises 36 and 37: reference is to Definition ??, not Definition 1 (November 2)

6. Section 8, Exercise 40: should read, “Show that \(J_T(x) = M.\)”

7. Section 9.2, Example 9.6: \((2, 1)\) changed to \((2, -1)\) immediately above “Multiplying these together…” (November 18)

8. Section 10.2, Definition 10.2: the second coordinate of the gradient vector should be \(\frac{\partial f}{\partial x_2}(a)\) (November 18)

9. Section 13.4.2, Example 13.10: the critical point is \((2, -1, 3)\), not \((2, 1, 3)\) (November 19)

10. Section 13.7, Exercise 5: \((0, 0)\) should be \((0, 0, 0)\). (November 18)

11. Section 14.1, Example 14.4: the third entry in \(\nabla S(x, y, z)\) should be \(2(x + y)\), not \(2(x + z)\) (November 19)