Volume 1 Errata

Page 9, #4(a): \( t = 1 \) should be \( t = 0 \)

Page 9, #12: the semi-circular arc is not drawn correctly

Page 14, line 14: maximum should be minimum

Page 16, Figure 8: The curve through the origin should be labeled \( a = 0 \).

Page 52, #18: The function \( g \) should be \( f \).

Page 65, last line: Example 6 of the previous section should be Example 7 of Section 1.4

Page 68, #9: shown in Figure 4 should be discussed in Example 3

Page 68, #10: described in Figure 4 should be discussed in Example 3

Page 112, #57–60: Exercises 49–55 should be Exercises 27–36

Page 132, Figure 1: \( y = 2x \) should be \( y = 2^x \)

Page 135, Figure 4: \( P = (0, 1) \) should be \( P = (1, 0) \)

Page 152, #66: \( 5 \) should be \( 5x \)

Page 191, #10: \( \arcsin(\tan x) \) should be \( \tan(\arccos x) \)
Page 218, #11: The figure should be replaced with the one shown below.

Page 219, #21(b): $y(0) = 3$ should be $y(0) = -3$

Page 248, line 5: $x = g(t) = \ldots$ should be $y = g(t) = \ldots$

Page 287, #11 and #14: The two problems are identical.

Page 308, Figure 10: Figure needs to be replaced.

Page 324, line 9: 4.11 should be 4.9

Page 331, #47: $dx$ should be $dt$

Page A-38, second line of solution to Example 7: $\log(3 \cdot 2)$ should be $\log_{10}(3 \cdot 2)$

Page A-40, #32: $(1/2)^2$ should be $(1/2)^{-2}$

Page A-47, #46: $\tan^2 x$ should be $\cot^2 x$

Page A-63, Figure 3(b): numerator in expression for $f'(x)$ should be $x^2 + 9$
Page A-66, Section 1.3, #19(h): \( add \ x = \pi/2, \) and \( x = 3\pi/2 \)

Page A-66, Section 1.3, #27: \((-\infty, 0)\) should be \((-\infty, -1)\)

Page A-68, Section 2.1, #11(a): 0.96 dollars/hr

Page A-68, Section 2.2, #29: \( f''(x) = 6x + \frac{2}{9}x^{-5/3} \)

Page A-71, Section 3.2, #31: \( add \ x = 1 \)

Page A-71, Section 3.2, #35: increasing; decreasing; decreasing

Page A-71, Section 3.3, #7(e): points: \( (c, \pm \sqrt{1 + 2c^2}); \ldots \)

Page A-73, Section 4.5, #19(a): \( T' = -10/144\pi \text{ in.}/\text{min} \)

Page A-74, Section 4.8, #1: \([-1, 1]\) should be \((-1, 1)\)

Page A-78, Appendix A, #17: \(-1.91, -0.671\)

Page A-78, Appendix B, #17: \(|x - 3| \leq 6\)

Page A-78, Appendix B, #25: \(|x - 2| \leq 5\)

Page A-78, Appendix B, #65: no

Page A-79, Appendix D, #25: \((-\infty, -3) \cup (-3, (1 - \sqrt{17})/2) \cup ((1 + \sqrt{17})/2, \infty)\)

Page A-79, Appendix D, #51: delete 0,