

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

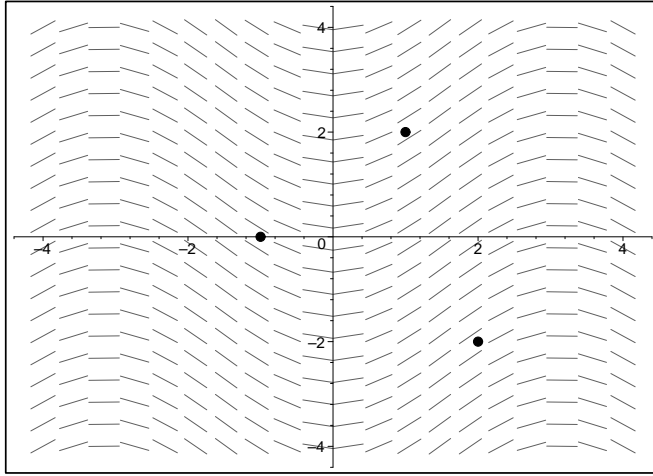
Page 132, Figure 1: $y = 2x$ should be $y = 2^x$

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

Page 152, #66: 5_x should be $5x$

Page 191, #10: $\arcsin(\tan x)$ should be $\tan(\operatorname{arcsec} x)$

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: $x = g(t) = \dots$ *should be* $y = g(t) = \dots$

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: $(c, \pm\sqrt{1+2c^2})$; ...

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