

Calculus by Taalman/Kohn © 2014

Chapter 0:

- Page 42: Section 0.3 Example 4 solution: three centered evaluations should have usual “arrow step” reasons and punctuation should be after 3, 1, 0.
- Page 56: Section 0.4 Example 3 solution, part (a): at the end of the second line of the solution, before the “y”, insert “The graph of”
- Page 57: Section 0.4 **ART** needs fixing: bottom of triangle in Example 4 solution should be labeled $\sqrt{1-x^2}$ instead of $\sqrt{1+x^2}$

Chapter 1:

- Page 118: Section 1.4 Example 6 solution, part (b) change “zeros” to “zeroes”
- Page 120: Section 1.4 exercise #20, change “zeros” to “zeroes”
- Page 129: Section 1.5 lines 3 and 4: “ \sin^{-1} ” should be “ $\sin^{-1} x$ ” (two times)
- Page 144: Section 1.6 Example 1 solution, part (a), “ $1/2x$ ” should be “ $1/x$ ”
- Page 151: Section 1.6 Thinking Forward “Taylor Series”, change “following limit:” to “limit” (note colon is deleted)
- Page 151: Section 1.6 Thinking Forward, third set of exercises, change “exercise” to “exercises”

Chapter 2:

- Page 164: Section 2.1 Thinking Back, second problem note: change “the values of” to “each of the following limits.” (note punctuation is added)

Chapter 3:

- Page 275: Section 3.3 exercises #15-20: add a space before the word “sketch” in the direction for these exercises
- Page 275: Section 3.3 exercises #36, 38, 40 are not aligned properly in the second column

Chapter 5:

- Page 442: Section 5.3 exercise #56: add an integral sign to the beginning of the equation and dx to the end of the equation (to match style of other exercises in this group)

Chapter 7:

- Page 597: Section 7.2, Immediately below Theorem 7.14, change the two sentences from, “The converse of Theorem 7.14 is not true. For example, consider...” to “The following example illustrates the contrapositive of Theorem 7.14. Consider...”
- Page 627: Section 7.5, In the equation in between “...that the series...converges..” there should be a minus symbol instead of a plus symbol so that the denominator reads: k^3-k+1
- Page 656: Chapter Review exercise #15: Remove parentheses around 1

Chapter 8:

- Page 697: Section 8.4, In the first equation, the last quantity should be $\ln(1+x)$ NOT $1/(1+x)$
- Page 697: Section 8.4, In the third equation line, there should be an = before the terms $x^{-1/2} x^2 + 1/3 x^3 - \dots$
- Page 704: Chapter Review exercises #9-14: Insert “the” in the instructions
- Page 704: Chapter Review exercise #31: Change the upper limit of integration to $1/2$

Chapter 10:

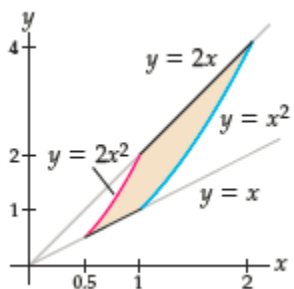
- Page 788: In exercise #6, the last point should be $(1, -2, -1)$ NOT $(1, -2, 3)$

Chapter 11:

- Page 888: Section 10.1, The introduction to the first "Thinking Back" problem should say: “The arc length of an exponential function...” (It currently says: “The arc length of the sine function...”)

Chapter 13:

- Page 1014: Section 13.2 exercise #18: The first sentence should say, “...integrating first with respect to y .” The second sentence should say “...with respect to x .”
- Page 1028: Section 13.3 exercise #56: Change the last part of the sentence to “and bounded above by the paraboloid with equation $z=6-x^2-y^2$.”
- Page 1055: Section 13.5 exercise #40: The upper limit on the middle integral should be $3 - 3x/2$
- Page 1067: Section 13.6 exercise #45: The upper limit of integration on the inner integral should be $3 \sec \phi$ (not $3 \sec \theta$)
- Page 1067: Section 13.6 exercise #46: The upper limit of integration on the inner integral should be $3 \csc \phi$ (not $3 \csc \theta$)
- Page 1067: Section 13.6 exercise #54: The lower surface should be the paraboloid $z=(x^2+y^2)/(2R)$ not the specified plane
- Page 1067: Section 13.6 exercise #66: Change the beginning of the problem to, “The moment of inertia about the z -axis...”
- Page 1079: Section 13.7 exercise #38: Change the left boundary line to $y=4x$.
- Page 1079: Section 13.7, exercises #45 and 46: **ART** needs fixing. The figure needs to be replaced with the following:



- Page 1080: Section 13.7 exercise #54: Change the question to: “Prove that there is a linear transformation that takes a line in the uv-plane to a point in the xy-plane if the Jacobian of the transformation is zero.”
- Page 1081: Section 13.7 First Thinking Forward question: Change the end of the sentence to: “...provides the same result as Definition 10.24.”
- Page 1082: Chapter Review: In the fifth statement, the second use of “spherical” should be “rectangular”
- Page 1083: Chapter Review exercise #36: The upper limit on the innermost integral should be $4 \sec \phi$

Chapter 14:

- Page 1096: Section 14.1 exercise #40: Change the third component of the function from $x+y$ to x
- Page 1106: Section 14.2 exercise #22: Change the exponential function to $e^{\sqrt{xy}}$
- Page 1107: Section 14.2 exercise #26: Change the first component of the vector function to $\frac{2}{3}t^3$
- Page 1107: Section 14.2 exercise #27: Change the exponential function to $e^{x^2+y^2+z}$
- Page 1107: Section 14.2 exercise #28: Change the exponential function to $e^{x^2+y+z^2}$
- Page 1107: Section 14.2 exercise #33: Change the j-component of the function to $\sin(xy)$
- Page 1107: Section 14.2 exercise #41: Change the k-component of the function to z^{xy-1}
- Page 1107: Section 14.2 exercise #48: Make the i-component $\ln(z+4)$
- Page 1107: Section 14.2 exercise #49: Change the equation of the plane to $2z-x+y=10$
- Page 1119: Section 14.3 exercise #31: Change the function to $y/x \sqrt{4z+1}$
- Page 1120: Section 14.3 exercise #44: Change the function F to $\mathbf{F}(x,y,z) = xz \mathbf{i} + yz \mathbf{j} + (x-y) \mathbf{k}$
- Page 1120: Section 14.3 exercise #46: The surface should be

