

### Errata in Business Calculus text, updated 5/15/00

- p. 8, example 5, middle of the page, the third limit should read  $\lim_{x \rightarrow -1} = 1$ , instead of  $\lim_{x \rightarrow -1^-} = 1$ .
- p.8, same example, bottom of the page, should read  $f(1)=5$  instead of  $f(-1)=5$ .
- p.88, In the blue box, the marginal average cost and the marginal average revenue should have bars over the C and R. The marginal average profit is ok.
- p. 88, in the green box, there should be bars over the C's in the Marginal Average Cost Equation and there should be bars over the R's in the Marginal Average Revenue Equation.
- page 112, the first derivative test graphic: The second sentence should read "Construct a sign chart for  $f'(x)$ ".
- p. 133, #43, change the  $-4x^3$  term to  $+4x^3$  if you'd like the answer in the back and the solution in the Student Solutions Manual to be correspond correctly,  $f(x) = -x^4 + 4x^3 + 3x + 7$  instead of  $f(x) = -x^4 - 4x^3 + 3x + 7$
- p 172, example 20 part (B). Find...  $\Delta x = 2$  instead of  $x_2 = 2$ .
- p.173, near the middle of the page it says, " $\frac{\Delta y}{\Delta x}$  times  $\Delta y = f(x + \Delta x) - f(x)$ ." Huh? It should say simply " $\frac{\Delta y}{\Delta x}$ ."
- p. 243 Step 2 in Solution In denominator at end of line, should be  $e^x$  not  $e^{2x}$
- p. 246, Example 31, the numerator should be  $e^x$ .
- page 342, Problem 67.the exponent on "e" should be -0.1 not -.01 the answer key has problem worked with exponent -0.1
- page 357, Example 2, the shading in the graph (green) should include the sliver on the lower left.
- page 373, five lines below Problem 10, the word "equilibrium" is misspelled in text
- Page 497 #10 Chapter Six Review: The answer in the back of the book assumes a FOURTH point which is not given in the problem, namely, (8,3) .
- page 538 example 13, third line of equations  
exponent on e should be "0.08" , not "0.008", you will note exponent is correct everywhere else in the problem
- There are a number of errors in Chapter 8, Sections 1 and 2, on Taylor polynomials and series, one bad one in the green box on p. 581 (should be an "a" not a "0" in derivative. Also on p. 594, the Problem 6 title is one line too high, which is confusing. And the calculations in the third line of Example 7, p. 595, are all messed up.
- page 736, green box, line with integral, should be  $F(x)$  where the type is blotched
- page 743,  $x \geq 0$ , not 5 in problem 47.
- page 756. On the top of the page, in a green box entitled "Uniform Probability Density Function" under the heading "cumulative probability distribution" it reads  $F(x) = 0$  if  $x < b$ . It should read  $F(x) = 0$  if  $x < a$ .
- p 847, tableau at very top of page the third row should begin with basic variable  $x_2$  not with  $s_3$  [a pivot has already taken place from the first tableau on the previous page and the basic variable has to change; it is correct in the third tableau on the top of page 847
- Pg 850, Exercise 21, Second constraint equation (one with "less than 3"), First variable should be "x-sub-two".
- p. 922, 15. Solution is  $y' = 3x^2y/(1+y)$

p. 923, 1(A) Delete "finger" at end of line (Who knows where that came from???)