

Important Misprints in Problems in the Second Edition

Page 31, problem 14(b)

Printed: (b) Show that the result in part (a) generalizes Example 2 and Problem 6(a).

Should be: (b) Show that the result in part (a) generalizes Example 2 and Problem 11(a).

Page 31, problem 15

Printed: follow the argument used to solve Problem 8.)

Should be: follow the argument used to solve Problem 13.)

Page 36, problem 2(a)

Printed: $h \neq 0$, using Problem 4 from Section 1.2.

Should be: $h \neq 0$, using Problem 9 from Section 1.5.

Page 36, problem 3

Printed: 3. Find the MPS of the following functions.

Should be: 3. Find the marginal value of the following functions.

Page 76, problem 3

Printed: 3. Let $f(x) = x \ln x$ (where x is restricted to $(1, +\infty)$).

Should be: 3. Let $f(x) = x \ln x$ (where x is restricted to $(\frac{1}{e}, +\infty)$).

Page 76, problem 3(b)

Printed: ... (i) at the point $(0,0)$, (ii) at the point $(e,1)$.

Should be: ... (i) at the point $(0,1)$, (ii) at the point (e,e) .

Page 76, problem 4

Printed: **4.** Let $f(x)=x+\ln x$ (where x is restricted to $(1,+\infty)$).

Should be: **4.** Let $f(x)=x+\ln x$ (where x is restricted to $(0,\infty)$).

Page 124, problem 10

Printed: **10.** With reference to Example 1, suppose that

Should be: **10.** With reference to Example 4, suppose that

Page 124, problem 11

Printed: **11.** (a) With reference to Example 1, let

Should be: **11.** (a) With reference to Example 4, let

Page 125, problem 13

Printed: **13.** Consider Example 1 and find the production level...

Should be: **13.** Consider Example 4 and find the production level...

Page 432, line 1, answer to problem 7

Printed: **7.** $f(5+h)-f(5)=\dots$

Should be: **6.** $f(5+h)-f(5)=\dots$

Page 432, 1.6 Problems Set, answer to problem 7

Printed: 7. Increasing on $(1,2)$, decreasing on $(-\infty, 1)$ and $(2,+\infty)$.

Should be: 7. Increasing on $(-\infty, 1)$ and $(2,+\infty)$, decreasing on $(1,2)$.

Page 434, 2.2 Problems Set, answer to problem 1(c)

Printed: (c)(i) $y-1=\frac{1}{2}(x-0)$ or $y=\frac{1}{2}x+1$.

Should be: (c)(i) $y-0=\frac{1}{2}(x-1)$ or $y=\frac{1}{2}x+\frac{1}{2}$.

Page 434, 2.2 Problems Set, answer to problem 3

Printed: 3. (a) The derivative is positive for $x \geq 1$.
(b) (i) $y-0=1(x-0)$ or $y=x$.
(ii) $y-1=\frac{1}{2e}(x-e)$ or $y=\frac{1}{2}+\frac{1}{2e}x \approx 0.5000+0.1839x$.

Should be: 3. (a) The derivative is positive for $x > \frac{1}{e}$.
(b) (i) $y-1=1(x-0)$ or $y=x+1$.
(ii) $y-e=\frac{1}{2}(x-e)$ or $y=\frac{1}{2}x+\frac{1}{2}e \approx 0.5000x+1.359$.

Page 452, line 1, answer to problem 7

Printed: 7. $R_2=r_2-3r_1$: $\begin{bmatrix} 1 & -2 & 1 \\ 0 & 6 & 10 \\ 0 & -3 & 8 \end{bmatrix}$

Should be: 7. $R_2=r_2-3r_1$: $\begin{bmatrix} 1 & -2 & 1 \\ 0 & 10 & 10 \\ 0 & -3 & 8 \end{bmatrix}$ (The central entry should be 10).