BASIC REAL ANALYSIS. ERRATA

	IS NOW	SHOULD BE
p. 3, 7 ↑	n	$n+1$
p. 11,5 ↑	sup	inf
p. 16,.4↑	Integers	integers
p. 17,7	$x^2 < 0$	$x^2 < 2$
p.17, 10	$x^2 \geq 0$	$x^2 \geq 2$
p. 23,7↑	$>$	$\geq$
p. 24,15	$>$	$\geq$
p. 24,16	$< \frac{1}{N}$	$\leq \frac{1}{N}$
p. 24,1↑	$<$	$\leq$
p. 25,5↑	get	get for $n \geq N$
p. 28,12↑	s_n	a_n (twice)
p. 29,1	Rational	rational
p. 29,2	Number	number
p. 30,3	$n > N$	$n \geq N$
p. 30,4	$n^2 >$	$n^2 > N^2 >$
p. 35, 6	$\frac{n^n}{2}$	$\frac{n}{2^n}$
p. 36,11↑	$k > K$	$k \geq K$
p. 36,11↑	$n > N$	$n \geq N$
p. 36,12↑	$n_k > n_K$	$n_k \geq n_K$
p. 44,6↑	N	n
p. 44,4↑	**OMIT**: for $n > N$	
p. 45,4↑	$n > N$	$n \geq N$
p.57, 1↑	$= N$	$= M$
p.59,.1↑	$f(x+)$	$f(a+)$
p.61, 6↑	A	a
p.63, 16	$f(b_n)$	$f(a_n)$
p.64, 13	$f(c) = g(b)$	$f(c) = g(c)$
p.68, 14	) Prove that $c = b$.	Prove that $c = b$.)

p. 70, 14	$(0+h)^2$	$(0+h)^{2/3}$
p. 70, 14	$1/h^{2/3}$	$1/h^{1/3}$
p. 74,8	ϵ_2	ε_2
p. 78,5↑	Hence	Hence, since $y-x>0$
p. 81, 3↑	$f(0)$	$f(0+)$
p. 81, 3↑	$g(0)$	$g(0+)$
p. 82,3↑	$0<x<a$	$0<x<b$
p. 83,5	$x>a>b$	$0<x<a<b$
p. 83,5↑	$\lim_{x\to 0}$	$\lim_{x\to 0+}$ (twice}
p. 83,3↑	$\lim_{x\to 0}$	$\lim_{x\to 0+}$ (3 times)
p.85, 2	$f^{(k)}(x)$	$f^{(n)}(x)$
p. 93,2↑	If	Then
p. 93,1↑	**DELETE THIS LINE**	
p. 94, 5↑	,necessary,	necessary
p. 95,10	$\vee$	$\cup$
p. 95,4↑	$-\max$	max
p. 97, 4	Δx	Δx_i
p. 99,7↑	$\leq 2\delta <$	$< 2\delta =$
p. 103,4	Integrals	integrals
p. 103,5↑	$\lvert f(x)\rvert \leq M$	$\lvert f(x)\rvert \leq M/2$
p. 105,.2	$R(\pi_n,\xi)$	$R(\xi,\pi_n)$
p. 105, 4	$R(\pi_n,\xi)$	$R(\xi,\pi_n)$
p. 106, 5	$R(\pi,\xi)$	$R(f,\xi,\pi)$
p. 106,1↑	$\leq$	$<$
p.107, 3↑	$f'(c)$	$f'(c)(x_i-x_{i-1})$
p.109, 8↑	$x(t)=\cos t$	$x(t)=\sin t$
p. 113,9	$f(x)$	$\lvert f(x)\rvert$
p. 113,11	$f(x)$	$\lvert f(x)\rvert$
p.114, 8↑	$\left[\frac{\cos x}{x^2}\right]$	$\left[\frac{\cos x}{x}\right]$
p.115, 1	congruent	convergent
p. 117, 8	a_n	$,a_n$

p. 118, 9	**OMIT FIRST = SIGN**	
p. 120,10↑	test	Test
p.125,11	$\sum_{k=1}^{\infty}$	$\sum_{k=0}^{\infty}$
p.125,13	$\sum_{k=1}^{\infty}$	$\sum_{k=0}^{\infty}$
p.126,2	$\sum_{k=1}^{\infty}$	$\sum_{k=0}^{\infty}$
p.126, 7	$\sum_{k=1}^{n-1}$	$\sum_{k=1}^{n}$
p.126, 8	$(a_n - a_{n-1})$	$(a_{n+1} - a_n)$
p.126, 9	$(a_n - a_1)$	$(a_{n+1} - a_1)$
p. 128, 10	Test, as in	Test in
p.130, 1	$f(n+1) \geq a_{n+1}$	$f(n+1) = a_{n+1}$
p.130, 11	s_n	s_m
p.130, 1↑	$\int_1^b$	$\int_1^{\infty}$ (first time only)
p.131, 3	$\int_1^b$	$\int_1^{\infty}$
p.134, 5	$\sum_{k=1}^{\infty}$	$\sum_{k=2}^{\infty}$
p.134, 8	$\sum_{k=1}^{\infty}$	$\sum_{k=2}^{\infty}$
p.137, 10	$\sum_{k=0}^{\infty}$	$\sum_{k=1}^{\infty}$
p.141, 1↑	$\sum_{k=0}^{\infty}$	$\sum_{k=2}^{\infty}$
p.148, 4↑	nxe^{-nx}	n^2xe^{-nx}
p.148, 13	1 otherwise	0 otherwise
p.151, 3↑	$f_n(c)$	$f_N(c)$
p.153, 1↑	$s_n(x) - f(x)$	$f(x) - s_n(x)$
p.154, 9	$\sum_{k=0}^{\infty}$	$\sum_{k=1}^{\infty}$
p.154, 11	$\sum_{k=0}^{\infty}$	$\sum_{k=1}^{\infty}$ (twice)
p.155, 7	then	then for $n \geq N$
p.155, 9↑	such that	such that for $n \geq N$
p.156, 7	so that	in $[x_i, x_{i-1}]$, so that
p. 156, 9	and by symmetry	By symmetry
p.157, 7↑	converge	converge uniformly
p. 157, 7↑	then the	then their
p.158, 11	$\sum_{k=0}^{\infty}$	$\sum_{k=1}^{\infty}$
p.160, 4↑	$f(x)$	$\lim f_n(x)$

p.164, 10	$\lvert x \rvert$	$\lvert x-a \rvert$
p.166, 9	$1/n$	$1/n_k$
p.167, 8	$\sum_{k=0}^{\infty}$	$\sum_{k=1}^{\infty}$
p.167, 5↑	$\sum_{k=1}^{\infty} \frac{1}{n} x^n$	$\sum_{k=1}^{\infty} x^n$
p.169, 2	x^n	x^{n-1}
p.169, 6	$\sum_{k=1}^{\infty}$	$\sum_{k=0}^{\infty}$
p.169, 9	x^n	x^{n-1}
p.169, 12	x^n	x^{n-1}
p.169, 12	r^n	r^{n-1}
p.169, 12	$n\left(\frac{r}{\rho}\right)^n$	$\left(\frac{M}{r}\right) n \left(\frac{r}{\rho}\right)^n$
p.170, 3	x^k	x^{k-1}
p.173, 7	$\sum_{k=1}^{n}$	$\sum_{k=0}^{n}$
p.173, 18	$\sum_{k=1}^{n}$	$\sum_{k=0}^{n}$
p.175, 6	x^n	x^{n+1}
p.175, 6	**OMIT** the repeated term. The line should read $0 < R_n < e^x \frac{x^{n+1}}{(n+1)!} \to 0$.	
p. 180, 5	s_n	s_n of $\sum_{n=0}^{\infty} a_n$
p.181, 5	$\frac{1}{n+1}$	$\frac{(-1)^n}{n+1}$
p.183, 8	and,	and
p.183, 10	**OMIT** , for $0 \le x \le 1$, we have	
p.183, 12	We then	we
p.184, 5↑	$\sum_{k=1}^{\infty}$	$\sum_{k=0}^{\infty}$
p.185, 8↑	$\sum_{k=1}^{\infty}$	$\sum_{k=0}^{\infty}$
p.185, 11↑	$f^{(n)}(x) \ge 0$	for all n, $f^{(n)}(x) \ge 0$
p.196, 18↑	numbers on	numbers in
p. 207, 10	S	K
p. 208, 4	subset of	subset K of