

Corrections (short list)

page	Correction
22, line -13	For Exercise 16 read Exercise 15
54, line 17	For $g : S \rightarrow T$ read $g : T \rightarrow S$
54, line 19	For $S \times T$ read $T \times S$
56, line 9	Add Let A be a nonempty set.
60, line 3	For subsets of S read nonempty subsets of S
60, line 6	For set S read nonempty set S
63, line -10	For set S read nonempty set S
63, line -9	For Example 2.2.6 read Proposition 2.2.5
67, line 2	For length k read length $k \geq 2$
70, line 2	For cycles read cycles of length ≥ 2
107, line -7	For $a(b + c) = ab + ac$ read $a(b + c) = ab + ac$ and $(a + b)c = ac + bc$
111, line -1	For first row read last row
126, line 16	For p is a prime number. read p is a prime number, and $k \geq 1$.
155, line -7	For Let H be a subgroup read Let H be a finite subgroup
164, line -10	For are identical, as functions. read define the same function.
186, line 7	For $(x^8 - x^7 + x^5 - 2x^4 + x^3 - x + 1)$ read $(x^8 - x^7 + x^5 - x^4 + x^3 - x + 1)$
211, line 14	For commutative rings read commutative rings with identity, For homomorphism read homomorphism that preserves the multiplicative identities
218, line -12	For characteristic p read characteristic $p > 0$
229, line 15	For $ab + bc$ read $ad + bc$
236, line 5	For transcendental read transcendental over \mathbf{Q}
259, line -3	For irreducible factors read monic irreducible factors
263, line 7	For irreducible polynomials read monic irreducible polynomials
279, line 8	For positive integers n . read positive integers $n \geq 3$.
281, line -15	For $ab \in G$ read $ab \in C(x)$
296, line -4	For maximal cyclic subgroup of G read cyclic subgroup of G of maximal order
297, line 6	For maximal cyclic subgroup read cyclic subgroup of G of maximal order
297, line -10	For $=$ read \cong
300, line -4	For with $m > n$. read with $m \geq n$.
307, line -15	For H_i is simple read H_i is a finite simple group
319, line 13	For with no repeated roots read such that each irreducible factor has no repeated roots,
319, line -3	For $f(x)$ has no read no irreducible factor of $f(x)$ has
332, line -13	For Any polynomial read Any nonconstant polynomial
334, line 6	For $[G : N] = 2$ read $[G_1 : N] = 2$
342, line -9	For α^k read β^k
346, line 4	For roots r_1, \dots, r_n in its splitting field F . read $f(x) = p_1(x)p_2(x) \cdots p_k(x)$ its factorization in $K[x]$ as a product of distinct irreducible polynomials. If F is the splitting field of $f(x)$ over K ,
349, line 6	For $\Delta = -4p^3 - 27q^3$ read $\Delta = -4p^3 - 27q^2$
363, lines 8, -13	For $f(x) = a_n x^n + a_{n-1} x^{n-1} + a_1 x + a_0$ read $f(x) = a_n x^n + a_{n-1} x^{n-1} + \dots + a_1 x + a_0$
373, lines 3, 4	Switch $x^3 + 1$ and $x^3 - 1$