Typographical Errors in the Second Edition of

*Primes of the Form* $x^2 + ny^2$

May 27, 2014

Page v, line −8: The title of §1 should be “FERMAT, EULER AND QUADRATIC RECIPROCITY”

Page 30, first line of (2.21): “15.23” should be “15, 23”

Page 48, line −13: “ker(χ) ∈ (Z/DZ)*” should be “ker(χ) ⊂ (Z/DZ)*”

Page 61, part (a) of Exercise 3.9: “if and only if $a, b$ or $ab$ has order $\leq 2$ in $G$” should be “if and only if $a$ or $b$ has order $\leq 2$ in $G$”

Page 65, part (c) of Exercise 3.29: “$f(\alpha x + \beta y, \gamma x + \delta y)$” should be “$f(\alpha x + \gamma y, \beta x + \delta y)$”

Page 65: “Note also that Lemma 3.25 gives a very quick proof of Exercise 2.27” should be “Note that Lemma 3.25 gives a quick proof of Exercise 2.27(a) for forms of discriminant $-4n$ when $p \nmid n$”

Page 91, lines −4 and −3: “$f_i(x)$ are distinct and irreducible modulo $p$” with “$f_i(x)$ are monic, and distinct and irreducible modulo $p$”

Page 105, part (f) of Exercise 5.6: “$p\mathcal{O}_L + f_i(\alpha)\mathcal{O}_K$” should be “$p\mathcal{O}_L + f_i(\alpha)\mathcal{O}_L$”

Page 133, four lines below (7.26): “$u \in \mathcal{O}$” should be “$u \in \mathcal{O}_K$”

Page 133, line −4: “[b][c]−1” should be “$\pm [b][c]^{-1}$”

Page 143, line 1: “let $f$ be a positive integer” should be “let $f > 1$ be an integer.”

Page 199, part (b) of Exercise 10.16: “Theorem 5.25” should be “Theorem 5.30”

Page 199, part (c) of Exercise 10.16: In the display, “$\sum_{f=1}^{[\mathcal{O}_K : \mathbb{Z}[\alpha]]} h(f^2d_K)$” should be “$\sum_{f \mid [\mathcal{O}_K : \mathbb{Z}[\alpha]]} h(f^2d_K)$”