

I N D E X

INDEX OF CONVENTIONS

a, b, c, d, \dots	denote integers (throughout, except as noted), 11
$p, p', \dots, p_1, p_2, \dots$	denote primes (pp. 18-250), 18
m	is >0 (pp. 37-52), 37
d	is not perfect square and is $\equiv 0$ or $1 \pmod{4}$ (pp. 70-75, 172-250), 70, 172
α_1, \dots	positive constants >0 (pp. 88-103), 88
i	$=\sqrt{-1}$ (pp. 109-250), 109
s	not necessarily integral (pp. 115-125), 115
n, n_1, n_2, d, d_1, d_2	are >0 (pp. 135-140), 135
$u, l, m, a, \alpha, \beta$	are odd integers >0 (pp. 146-150), 146
d	is a fundamental discriminant (pp. 221-229), 221

INDEX OF DEFINITIONS

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INDEX OF SYMBOLS

I , 11 I , 11 \neg , 11 $(,)$, 16 $\pi(\xi)$, 19 $T(,)$, 21 $[]$, 22 $A(,)$, 24 $\text{Max}(,)$, 26 $\text{Min}(,)$, 26 $(, ,)$, 26	$S(,)$, 29 $\mu(,)$, 32 $\varphi(,)$, 34 \equiv , 37 \equiv , 37 (mod) , 37 $\left(- \right)$, 53, 65, 70 $\chi(,)$, 109 $L(s, \chi)$, 115 $V(n)$ 136	$U(n)$, 137 $Q(n)$, 146 \sim , 152, 173 $\{ , , \}$, 154, 170 $\psi(k)$, 187 $H(,)$, 188 $K=K(d)$, 188 $A(\tau, d, n)$, 190 $\psi(k, F)$, 191 $U(\tau)$, 193 e_{kl} 207
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