

	Page
INTRODUCTION	v
CHAPTER I: THE EXACT HEXAGON	
§1. The group $R^0(E/F)$	1
§2. The group $R^1(E/F)$	6
§3. Some facts from Class Field Theory.....	10
§4. Determination of $R^0(E/F)$	13
§5. Determination of $R^1(E/F)$	16
§6. $R^0(E/F)$, $R^1(E/F)$ for S -integers.....	24
§7. The homomorphism $C(F) \rightarrow C(E)$	25
§8. Unramified cyclic extensions.....	32
§9. Ramified cyclic extensions.....	38
CHAPTER II: RELATIVE QUADRATIC EXTENSIONS	
§10. Hilbert symbols.....	41
§11. The narrow class group.....	44
§12. Signs of units.....	54
§13. CM-extensions.....	66
§14. The kernel of $C(F) \rightarrow C(E)$	80
§15. Units with almost independent signs.....	88
§16. Parity of the relative class number.....	97
§17. Existence of quadratic extensions.....	107
CHAPTER III: QUADRATIC EXTENSIONS OF \mathbb{Q}	
§18. Cyclic 2-primary subgroups of $C(E)$	129
§19. Elementary abelian 2-primary subgroups of $C(E)$	137
§20. Imaginary biquadratic extensions of \mathbb{Q}	149
§21. Real biquadratic extensions of \mathbb{Q}	154
§22. Examples.....	162
§23. Non-abelian biquadratic extensions of \mathbb{Q}	176
§24. The sets $A^+(2)$ and $A^-(2)$	193
§25. The 2-primary subgroup of $K_2(0)$	202
§26. Trivial Galois action on $C(E)$	214
REFERENCES	227
SYMBOL KEY	231
INEDX	233