Topic count	Revised 9/30/2006		WIN	KAP	HON	LEE	shared topic count	HAW 27	HAW 103	KAU
1		Real numbers	X	X	X	X	1	X	OPT	X
2		Integer exponents	X	X	X	X	2	X	OPT	X
3		Rational exponents	X	X	X	X	3	X	OPT	X
4		Radicals	X	X	X	X	4	X	OPT	X
5		Complex numbers	X	X	X	X	5	X	X	X
6	Equations	Linear equations	X	X	X	X	6	X	X	X
7		Quadratic equations	X	X	X	X	7	X	X	X
8		Other equations (factored or quadratic form)	X	X	X	X	8	X	X	X
9		Radical equations	X	X	X	X	9	X	X	X
10	Polynomials	Polynomial operations	X	X	X	X	10	X	X	X
		Synthetic division		OPT	OPT			OPT	OPT	
11		Factoring polynomials	X	X	X	X	11	X	X	X
12	Rational expressions	Operations on rational expressions	X	X	X	X	12	X	X	X
13		Simplifying complex fractions	X	X	X	X	13	X	X	X
14		Equations with rational expressions	X	X	X	X	14	X	X	X
15	Inequalities & absolute value	Linear inequalities in one variable	X	X	X	X	15	X	X	X
16		Nonlinear inequalities in one variable	X	X	X	X	16		X	X
17		Absolute value equations/inequalities	X	X	X	X	17	YES EQ	X* NO INEQu	X
		Linear inequalities in two variables	OPT	OPT				X	X** + NONLIN	X
18	Rectangular coordinates	Rectangular coordinates and graphing points	X	X	X	X	18	X	OPT	X
19		Graphs of equations	X	X	X	X	19	X	X	X
20		Equations of lines	X	X	X	X	20	X	X	X
21	Functions	Functions: definition and notation	X	X	X	X	21	X	X	X
22		Algebra of functions	X	X	X	X	22	X	X	X
23		Linear functions	X	X	X	X	23	X	X	X
24		Quadratic functions	X	X	X	X	24	X	X	X
25		Rational functions	X	X	X	X	25	X	X	X
26		Exponential functions	X		X	X		OPT	X	X
27		Inverse functions			X				X	X
28		Logarithmic functions	X		X				X	X
29		Properties of logarithms	X		OPT				X	X
30		Exponential and logarithmic equations	X		OPT				X	X
		Higher degree polynomial functions							X	X
		Factor and remainder theorems			OPT				X	X
		Zeros of polynomial functions							X	X
		The Fundamental Theorem of Algebra							X	X
31	Systems	Systems of linear equations (including 3x3 systems)	X	X	X	X	26	X	X	X
32		Nonlinear systems	X	X	X	X	27		X	X
33	Conics	Circles	X			X			X	X
		Ellipses							X	X
		Hyperbolas							X	X
		General parabolas								X
	Other	Regression								OPT
		Binomial theorem			OPT					OPT
		Mathematical induction							OPT	OPT
		Permutations and combinations							OPT	OPT
		Partial fractions								OPT
		Matrix operations		OPT					X	OPT
		Inverse matrices							X	OPT
		Determinants and Cramer's rule		OPT					X	OPT
		Sequences and series							OPT	OPT