

TOPICS (Course Content)		Math 24 Elementary Algebra I					Math 25 Elementary Algebra II					
	23 out of 27 topics in common among Hawaii, HCC, KCC, Kauai and WCC. That is approximately 85% in comon!	HAW 24X	HON 24	KAP 24	KAU 24	WIN 24	HAW 25X	HON 25	KAP 25	KAU 25	MAU 25	WIN 25
MATH 24 Elementary Algebra I												
The real number system												
1	Exponents, order of operations, and inequalities	X	X	X	X	X						
2	Variables, expressions and equations	X	X	X	X	X						
3	Real numbers and the number line (WinCC & KauCC include absolute value)	X	X	X	X	X						
4	Addition, subtraction, multiplication and division of real numbers	X	X	X	X	X						
5	Properties of real numbers	X	X	X	X	X						
6	Simplifying expressions	X	X	X	X	X						
Linear equations and inequalities in one variable												
7	The addition and multiplication properties of equality	X	X	X	X	X						
8	An introduction to success in applications of linear equations	X	X	X	X	X						
9	Formulas and applications from geometry	X	X	X	X	X						
10	Applications of percent: mixture, interest	X	X	X	X	X						
11	Ratios, proportions and variations (WinCC does not cover variations)	X	X	X	X	X						
12	The addition and muliplication properties of inequality	X	X	X	X	X						
13	Absolute value equations & inequalities			X	X							
Linear equations in two variables												
14	Graphing linear equations in two variables	X	X	X	X	X						X
15	The slope of a line	X	X	X	X	X						X
16	Order pairs and coordinate system	X	X	X	X	X						
17	Graph equations by plotting points	X	X	X	X	X						
Equations of lines, Inequalities												
18	Finding equations of a line	X	X	X	X	X						X
19	Graphing linear inequalities in two variables	X	X	X	X	X						
Linear systems (WinCC does two equations in two variable only)												
20	Solving systems of linear equations by graphing	X	X	X	X	X						
21	Solving systems of linear equations by substitution	X	X	X	X	X						
22	Solving systems of linear equations by elimination	X	X	X	X	X						
23	Applications of linear systems	X	X	X	X	X						
24	Solving systems of linear inequalities	X	X	X	X	X						
Introduction to Functions (WinCC)		X	(X)		X	X						
MATH 25 Elementary Algebra II												
	32 out of 38 in common among Haw, HCC,KCC,Kauai,MCC and WCC That is approximately 84% in common!											
Polynomials and Exponents												
1	Adding and subtracting polynomials						X	X	X	X	X	X
2	Rules for exponents					x	X	X	X	X	X	X
3	Multiplying polynomials						X	X	X	X	X	X
4	Special products						X	X	X	X	X	X
5	Dividing polynomials						X	X	X	X	X	X
6	Scientific notation					x	X	X	X	X	X	X
Factoring and Applications												
7	Factors, greatest common factor						X	X	X	X	X	X
8	Factor by grouping						X	X	X	X	X	X
9	Factoring trinomials						X	X	X	X	X	X
10	Factoring difference or squares						X	X	X	X	X	X
11	Factoring sum and difference of cubes						X	X	X	X	(X)	
12	Solving quadratic equations by factoring						X	X	X	X	X	X
13	Applications of quadratic equations						X	X	X	X	X	X
14	Solving polynomial equations by factoring							X	X	X	X	X
Rational Expressions												
15	Writing expressions in lowest terms						X	X	X	X	X	X
16	Evaluating expressions						X	X	X	X	X	X
17	Multiplying and dividing rational expressions						X	X	X	X	X	X
18	Finding least commom denominator						X	X	X	X	X	X
19	Adding and subtracting rational expressions						X	X	X	X	X	X
20	Complex fractions						X	X	X	X	X	X
21	Solving equations with rational expressions						X	X	X	X	X	X
22	Applications of rational equations						X	X	X	X	X	X
23	Excluded points						X	X	X	X	X	X
Roots and Radicals												
24	Evaluating roots						X	X	X	X	X	X
25	Multiplying and dividing radical equations						X	X	X	X	X	X
26	Adding and subtracting radical equations						X	X	X	X	X	X
27	Rationalizing the denominator						X	X	X	X	X	X
28	Simplifying radical expressions						X	X	X	X	X	X
29	Solving radical expressions						X	X	X	X	X	X
30	Rational exponents							X		X		X
31	Excluded points						X	X	X	X	X	X
Quadratic Equations												
32	Solving quadratic equations by square root property						X	X	X	X	X	X
33	Completing the square						X	X	X	X	X	
34	Solving quadratic equations by quadratic formula						X	X	X	X	X	X
35	Graphing quadratic equations in two variables (WinCC & Hon CC include finding the vertex & intercepts)						X	X	X	X	X	X

Math 24X HawCC = KapCC = Hon CC = WinCC
Math 25X HawCC = KapCC = HonCC = WinCC

[illegible]