

Houston County Schools
Algebra 1-B Pacing Guide
2011-2012
1st Semester

1st NINE WEEKS				
SECTION	OBJECTIVE	ALCOS#	AHSGE	Date(s) Taught
8.1	Powers and exponents	1, 5		
8.2	Multiplying/dividing powers & exponents	1, 5		
8.3	Simplify negative exponents	1, 5		
8.4	Express numbers in scientific notation			
8.5	Simplify radicals	1		
8.6	Estimate square roots	1		
8.7	Use the Pythagorean Theorem		VII-2	
9.1	Identify and classify polynomials	5, 11	I-1	
9.2	Add or subtract polynomials	5	I-2	
9.3	Multiply polynomials	5, 11	I-3	
9.4	Multiply two binomials	5	I-3	
9.5	Special products	5	I-3	
	End of 1 st Nine Weeks			
2nd NINE WEEKS				
10.1	Factors	6, 11	I-4, VI-1, VII-8	
10.2	Factoring using the distributive property	6, 11	I-1, VI-1, VII-8	
10.3	Factoring trinomials	6	I-4, VI-1	
10.4	Factoring trinomials	6	I-4, VI-4	
10.5	Factoring difference of two squares and perfect square trinomials	6	I-4, VI-1	
11.1	Graph quadratic functions	4, 9	V-1, 4	
11.2	Introduce families of quadratic functions	6, 9	V-1, 4	
11.3	Solving quadratic equations	6, 9	V-1, 4	
11.4	Solve quadratic equations by factoring	6, 9	I-4	
11.6	Quadratic formula	4, 9	VII-8	
	END OF 2 nd NINE WEEKS/SEMESTER EXAM			

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Algebra Pacing Guide/ 2nd Semester
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3rd NINE WEEKS				
SECTION	OBJECTIVE	ALCOS#	AHSGE	Date(s) Taught
12.1	Graph inequalities on a number line		II-4, VI-1	
12.2	Solve inequalities involving addition and subtraction	7	II-4	
12.3	Solve inequalities involving multiplication and division	7	II-4	
12.4	Solving multi-step inequalities	7	II-4	
12.5	Solve compound inequalities	7	II-4	
12.6	Solve absolute value inequalities	7	II-4	
12.7	Graph inequalities on a coordinate plane	7	II-4, V-2,3; VI-1	
13.1	Solve systems of equations by graphing	8	II-3, V-1,4; VI-1, VII-8	
13.2	Determine the number of solutions a system has	8	II-3, V-1,4. VI-1, VII-8	
13.3	Solve systems of equations by substitution	8	II-3, VI-1	
13.4	Solve systems of equations by addition and subtraction	8	II-3, VI-1	
13.5	Solve systems of equations by multiplication	8	II-3, VI-1	
13.6	Solve systems of quadratic and linear equations	8, 9	II-3, V-1,4, VI-1	
	End of 3 rd Nine Weeks			
4th NINE WEEKS				
14.1	The real numbers	1		
14.2	Find the midpoint and distance between two points	1, 10	IV-2	
14.3	Simplify radical expressions	1, 10	IV-2	
14.4	Add or subtract radical expressions	1		
14.5	Solve simple radical equations	1, 7		
15.1	Simplify rational expressions		VII-8	
15.2	Multiply and divide rational expressions		VII-8	
15.3	Divide polynomials by binomials		VII-8	
15.4	Add/Subtract rational expressions with like denominators		VII-8	
15.5	Add/Subtract rational expressions with unlike denominators		VII-8	
15.6	Solve rational equations	4	VII-8	
	END OF 4TH NINE WEEKS/SEMESTER EXAM			