

ALGEBRA 1 PACING

Lesson	Objective	Days	Level
Chapter 1: Tools of Algebra		17	
1-1	Using variables	1	M/A
1-2	1: Simplify expressions that involve exponents and order of operations	2	D/T
1-3	2: Name and recognize irrational numbers	2	D/T
10-3	3: Approximate an irrational number		D/T
Skills	Fraction Review (pp. 726-727)	5	M/A
1-4	Adding real numbers (No matrices)		
1-5	Subtracting real numbers		
1-6	Multiplying and dividing real numbers		
1-7	4: Simplify expressions using the Distributive Property	2	D/T
1-8	Properties of real numbers (Emphasize identity of properties)	1	M/A
1-9	Graphing data on the coordinate plane	1	M/A
Ch 1	Review, Quizzes, Test	3	---
Chapter 2: Solving Equations		17	
2-1	Solving one-step equations	1	M/A
2-2	5: Solve a two-step equation	2	D/T
2-3	6: Solve a multi-step equation	2	D/T
2-4	7: Solve an equation with variables on both sides	2	D/T
2-5	Equations and problem solving	4	D
2-6	8: Solve a formula for a given variable with two steps	2	D/T
2-7	Using measures of central tendency	1	M/A
Ch 2	Review, Quizzes, Test	3	---
DISTRICT ASSESSMENT 1 – November 1-8			
Chapter 3: Solving Inequalities		9	
3-1	9: Graph inequalities	1	D/T
3-2	Solving inequalities using addition and subtraction	1	M/A
3-3	Solving inequalities using multiplication and division	1	M/A
3-4	10: Solve a two-step inequality	2	D/T
3-6	Absolute value equations	1	I/D
Ch 3	Review, Quizzes, Test	3	---
Chapter 4: Solving and Applying Proportions		17	
4-1	11: Convert rates using dimensional analysis	3	D/T
4-2	12: Find missing parts of similar figures	2	D/T
4-3	Proportions and percent	1	M/A
4-3	Percent equations	1	D
4-4	Percent of change	1	M/A

4-5	Applying ratios to probability	1	M/A
4-6	13: Recognize dependent/independent events	1	D/T
4-6	Probability of compound events	1	D
12-8	Counting methods and permutations	3	D
12-9	Combinations		
Ch 4	Review, Quizzes, Test	3	---

Chapter 5: Graphs and Functions		13	
5-1	Relating graphs to events	1	D
5-2	Relations and functions	2	I/D
5-3	14: Identify linear and non-linear relationships expressed in a table	1	D/T
5-3	15: Evaluate a linear function given the independent variable (in table)	1	D/T
5-3	16: Graph a linear function given a table of values	1	D/T
5-4	Writing a function rule	1	I/D
5-5	Direct variation	2	I/D
5-6	Describing number patterns	1	M/A
Ch 5	Review, Quizzes, Test	3	---

DISTRICT ASSESSMENT 2 – January 13-20

Chapter 6: Linear Equations and Their Graphs		16	
6-1	17: Identify slope given a line	1	D/T
6-1	18: Determine slope of a line given two points	1	D/T
6-2	19: Recognize slope and y-intercept given the equation of a line	3	D/T
6-2	20: Graph a line given slope and y-intercept		D/T
6-3	Standard form	2	I/D
6-4	Point-slope form and writing linear equations	2	I/D
6-5	Parallel and perpendicular lines (Geometry problems #60-65)	2	I/D
6-6	21: Scatter plot a data set in two variables and estimate a line to fit the data	1	D/T
6-6	Use calculator to create scatter plot and find equation for the line of best fit	1	I
Ch 6	Review, Quizzes, Test	3	---

DISTRICT ASSESSMENT 3 – February 16-23

Chapter 7: Systems of Equations and Inequalities		11	
7-1	Solving systems by graphing	2	I/D
7-2	Solving systems using substitution	2	I/D
7-3	Solving systems using elimination	2	I/D
7-4	Applications of linear systems	1	I/D
7-5	Linear inequalities	1	I/D
7-6	Systems of linear inequalities	1	I
Ch 7	Review, Open-notes Test	2	---

Chapter 8: Exponents and Exponential Functions		15	
8-1	22: Simplify expressions with zero and negative exponents	2	D/T
8-2/8-3	23: Multiply numbers written in scientific notation	3	D/T
8-3	24: Simplify expressions using multiplication property of exponents		D/T
8-4	More multiplication properties of exponents	2	I/D
8-5	25: Simplify expressions using division property of exponents	1	D/T
8-5	26: Divide numbers written in scientific notation	1	D/T
8-6	Geometric sequences	1	D
8-7	Exponential functions	1	I
8-8	Exponential Growth and Decay	1	I
Ch 8	Review, Quizzes, Test	3	---
Chapter 9: Polynomials and Factoring		15	
9-1	27: Simplify expressions by adding and subtracting polynomials	2	D/T
9-2	28: Factor a polynomial by using GCF	2	D/T
9-3	29: Simplify expressions by multiplying binomials	2	D/T
9-4	Multiplying special cases	1	I
9-5	30: Factor a trinomial in form $x^2 + bx + c$	3	I/D/T
9-6	Factoring trinomials of the type $ax^2 + bx + c$	1	I
9-7	Factoring special cases	1	I
Ch 9	Review, Quizzes, Test	3	---
DISTRICT ASSESSMENT 4 – May 2-9			
Chapter 10: Quadratic Equations and Functions		14	
10-1	Exploring quadratic graphs	2	I/D
10-2	Quadratic functions	2	I/D
10-4	Solving quadratic equations	2	I
10-5	Factoring to solve quadratic equations	3	I/D
10-7	Using the quadratic formula	2	I/D
Ch 10	Review, Quizzes, Test	3	---
Chapter 11: Radical Expressions and Equations		11	
Chapter 12: Rational Expressions and Functions			
11-1	Simplifying radicals	3	I/D
11-2	The Pythagorean Theorem	2	D
11-7	Trigonometric ratios	3	D
12-1	Inverse variations	2	I/D
Ch 11/12	Quiz	1	---