

Algebra 2 Lesson Correlation

Draft

Common Core Std	Saxon	Algebra 2 Topic	ON Core	McDougal	Pearson
N.RN.3	1	Using Properties of Real Numbers	On2A 1-1	Mc2A 1-1	Prsn2 1-2
A.SSE.1	2	Evaluating Expressions and Combining Like Terms	OnA1 1-1,2	Mc2A 1-2	Prsn2 1-3
A.SSE.3, F.IF.8, N.RN.1	3	Using Rules of Exponents		Mc2A 6-1	PrA1 7-4
	LAB1	Gr Calculator: Graphing a Function and Building a Table		Mc2A 6-2	
F.IF.1,2,5, F.BF.1	4	Identifying Functions and Using Function Notation	OnA1 1-5	Mc2A 2-1	Prsn2 2-1
	LAB2	Gr Calculator: Storing and Recalling Data in a Matrix		Mc2A 4-1	
N.VM.6,7,8,10	5	Using Matrices to Organize Data and to Solve Problems		Mc2A 4-1	Prsn2 12-1
	6	Finding Percent of Change			PrA1 2-10
A.CED.1, A.REI.1,3	7	Solving Linear Equations	OnA1 2-1	Mc2A 1-3	Prsn2 1-4
A.CED.2	8	Finding Direct Variation		Mc2A 2-4	Prsn2 2-2
N.VM.7,8,9,10	9	Multiplying Matrices		Mc2A 4-2	Prsn2 12-2
A.CED.1, A.REI.3	10	Solving and Graphing Inequalities	OnA1 2-2	Mc2A 1-6	Prsn2 1-5
	INV1	Investigation: Logic and Truth Tables			
A.APR.1	11	Understanding Polynomials	On2A 3-5	Mc2A 6-2	Prsn2 5-1
					PrA1 8-1
A.CED.2	12	Solving Inverse Variation Problems		Mc2A 9-1	Prsn2 8-1
	LAB3	Gr Calculator: Calculating Points on a Graph			
A.CED.2, A.REI.10, F.IF.6, F.LE.1	13	Graphing Linear Equations I	OnA1 2-6	Mc2A 2-2	Prsn2 2-3
N.VM.10,12	14	Finding Determinants		Mc2A 4-3	Prsn2 12-3
A.REI.10,11, G.GPE.5	15	Solving Systems of Equations by Graphing	OnA1 3-1	Mc2A 3-1	Prsn2 3-1
	16	Using Cramer's Rule		Mc2A 4-3	
	LAB 4	Gr Calculator: Changing the Line & Window of a Graph			
F.IF.7, F.BF.3	17	Solving Equations and Inequalities with Absolute Value	OnA1 6-5	Mc2A 1-7	Prsn2 1-6
N.Q.1,2,3	18	Calculating with Units of Measure		Mc2A 1-1	PrA1 2-6
A.APR.1, A.SSE.2	19	Multiplying Polynomials	On2A 3-6	Mc2A 6-3	PrA1 8-3
F.BF.1	20	Performing Operations with Functions		Mc2A 7-3	Prsn2 6-6
	INV2	Investigation: Solving Parametric Equations		Mc2A 13-7	
A.REI.6	21	Solving Systems of Equations Using the Substitution Method	OnA1 3-2	Mc2A 3-2	Prsn2 3-2
	LAB 5	Gr Calculator: Storing and Plotting a List of Data			
F.IF.4,7, F.BF.1	22	Analyzing Continuous, Discontinuous, and Discrete Functions	OnA1 4-1,2		PrA1 4-4
	23	Factoring Polynomials	OnA1 8-2,3	Mc2A 6-4	Prsn2 5-3
A.REI.5,6	24	Solving Systems of Equations Using the Elimination Method	OnA1 3-3,4	Mc2A 3-2	Prsn2 3-2
	LAB 6	Gr Calculator: Calculating 1- and 2-Variable Statistical Data			

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S.ID.1,2,3,4	25	Finding Measures of Central Tendency and Dispersion	OnA1 9-1	Mc2A 7-7	Prsn2 11-6
N.Q.1, A.CED.1, F.IF.8,9	26	Writing the Equation of a Line	4-5	Mc2A 2-4	Prsn2 2-4
A.SSE.1, F.IF.7,8,9	27	Connecting the Parabola with the Quadratic Function	On2A 2-1	Mc2A 5-1	Prsn2 4-1
A.SSE.1, A.APR.6,7	28	Simplifying Rational Expressions		Mc2A 9-4	Prsn2 8-4
	29	Solving Systems of Equations in Three Variables		Mc2A 3-6	Prsn2 3-5
F.IF.4,7, F.BF.3, G.GPE.2	30	Transforming Parabolas to find Max or Min	On2A 2-2	Mc2A 5-8	Prsn2 4-1
	INV3	Investigation: Graphing 3 Linear Equations in 3 Variables			
A.APR.6	31	Multiplying and Dividing Rational Expressions	On2A 4-5	Mc2A 9-4	Prsn2 8-4
A.REI.8,9	32	Solving Linear Systems with Matrix Inverses		Mc2A 4-4,5	Prsn2 12-4
S.CP.9	33	Applying Counting Principles		Mc2A 12-1	Prsn2 11-1
A.REI.10	34	Graphing Linear Equations II		Mc2A 2-3	Prsn2 2-4
A.APR.3, A.SSE.2,3, A.REI.1,4,10, F.IF.4,7	35	Solving Quadratic Equations I	7-5	Mc2A 5-3	Prsn2 4-5
	36	Using Parallel and Perpendicular Lines	OnG 8-4,5	Mc2A 2-4	Prsn2 2-4
A.APR.7	37	Adding and Subtracting Rational Expressions	On2A 4-4	Mc2A 9-5	Prsn2 8-5
A.APR.6	38	Dividing Polynomials Using Long Division	On2A 3-8	Mc2A 6-5	Prsn2 5-4
A.REI.12	39	Graphing Linear Inequalities in Two Variables	OnA1 2-7	Mc2A 2-6	Prsn2 2-8
A.SSE.2	40	Simplifying Radical Expressions		Mc2A 7-1	Prsn2 6-1
	INV4	Investigation: Understanding Cryptography			
	41	Pythagorean Theorem and the Distance Formula	OnG 1-2	Mc2A 10-1	PrA1 10-1
					PrG 6-7
	LAB 7	Gr Calculator: Calculating Permutations and Combinations			
S.CP.9	42	Finding Permutations and Combinations	OnG 11-3,4	Mc2A 12-1,2	Prsn2 11-1
A.REI.12	43	Solving Systems of Linear Inequalities	OnA1 3-5	Mc2A 3-3	Prsn2 3-3
A.SSE.2	44	Rationalizing Denominators		Mc2A 5-3	Prsn2 6-2
	LAB 8	Gr Calculator: Applying Linear and Median Regression			
S.ID.1,2,3,4,5,6,7	45	Finding the Line of Best Fit	OnA1 4-9	Mc2A 2-5	Prsn2 2-5
F.IF.7, G.SRT.6,8	46	Finding Trigonometric Functions and their Reciprocals		Mc2A 13-1	Prsn2 14-3
					Prsn2 13-8
A.REI.10, F.IF.7, F.BF.3,5	47	Graphing Exponential Functions	On2A 6-1	Mc2A 8-1	Prsn2 7-1
			OnA1 5-2,3		Prsn2 7-2

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A.APR.7	48	Understanding Complex Fractions		Mc2A 9-5	Prsn2 8-5
A.APR.5	49	Using the Binomial Theorem	On2A 3-7	Mc2A 12-2	Prsn2 5-7
F.BF.4, F.LE.5	50	Finding Inverses of Relations and Functions	On2A 5-1	Mc2A 7-4	Prsn2 6-7
	INV5	Investigation: Finding the Binomial Distribution		Mc2A 12-6	Prsn2 11-9
A.APR.2	51	Using Synthetic Division	On2A 3-8	Mc2A 6-5	Prsn2 5-4
	LAB 9	Gr Calculator: Using TRIG Keys; Adjusting a TRIG Window			
	52	Using Two Special Right Triangles	OnG 6-3	Mc2A 13-1	PrG 8-2
F.BF.1	53	Performing Compositions of Functions		Mc2A 7-3	Prsn2 6-6
A.CED.3, F.IF.4,7	54	Using Linear Programming	OnA1 3-6	Mc2A 3-4	Prsn2 3-4
.CP.2,3,5,8,9, S.MD.3,4,	55	Finding Probability	OnG 11-2	Mc2A 12-4	Prsn2 11-2
	56	Finding Angles of Rotation	On2A 8-2	Mc2A 13-2	Prsn2 13-2
F.BF.5, F.LE.1,5	57	Finding Exponential Growth and Decay	On2A 6-1	Mc2A 8-2	Prsn2 7-2
A.SSE.2,3, A.REI.4	58	Completing the Square	On2A 2-3	Mc2A 5-5	Prsn2 4-6
N.RN.1,2, A.SSE.3, F.IF.8	59	Using Fractional Exponents		Mc2A 7-2	Prsn2 6-4
S.CP.1,4,7	60	Distinguish Mutually Exclusive and Independent Events		Mc2A 12-5	Prsn2 11-3
	INV6	Investigation: Deriving the Quadratic Formula	OnA1 8-6	Mc2A 5-6	
	61	Understanding Advanced Factoring	OnA1 8-4,5	Mc2A 6-4	Prsn2 5-3
CN.1,2,7,8, A.SSE.1, A.REI.4	62	Using Complex Numbers	On2A 1-3	Mc2A 5-4	Prsn2 4-8
F.TF.1,2,3,4	63	Understanding the Unit Circle and Radian Measures	On2A 8-1	Mc2A 13-2	Prsn2 13-3
	LAB 10	Gr Calculator: Using the Log Keys		Mc2A 8-4	
F.LE.4	64	Using Logarithms	On2A 7-1	Mc2A 8-4	Prsn2 7-3
A.REI.4	65	Using the Quadratic Formula	On2A 1-5	Mc2A 5-6	Prsn2 4-7
A.REI.1,11	66	Solving Polynomial Equations	On2A 3-10	Mc2A 6-4	Prsn2 5-3
F.B.4, F.TF.6,7	67	Finding Inverse Trigonometric Functions		Mc2A 13-4	Prsn2 14-2
S.CP.3,4,5,6, S.MD.5,7	68	Finding Conditional Probability	OnG 11-6	Mc2A 12-5	Prsn2 11-4
N.CN.2,3	69	Simplifying Complex Expressions	On2A 1-3	Mc2A 5-4	Prsn2 4-8
A.CED.4, A.REI.2	70	Solving Radical Equations	On2A 5-7	Mc2A 7-6	Prsn2 6-5
	INV7	Investigation: Collecting Data	On2A 10-1		
G.SRT.11	71	Using the Law of Sines	OnG 6-6	Mc2A 13-5	Prsn2 14-4
F.LE.4	72	Using the Properties of Logarithms	On2A 7-3	Mc2A 8-5	Prsn2 7-4
	LAB 11	Gr Calculator: Calculating Confidence Intervals	On2A 10-6		
S.IC.1,3,4,5,6	73	Using Sampling	On2A 10-5		Prsn2 11-8
	74	Finding the Discriminant	OnA1 8-7	Mc2A 5-6	Prsn2 4-7

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F.IF.7	75	Graphing Radical Functions	On2A 5-4	Mc2A 7-5	Prsn2 6-8
N.CN.7, A.APR.3	76	Finding Polynomial Roots I	On2A 3-10	Mc2A 6-6	Prsn2 5-5
	77	Using the Law of Cosines	OnG 6-7	Mc2A 13-6	Prsn2 14-5
A.SSE.2, A.REI.1,4	78	Solving Quadratic Equations II	OnA1 8-3	Mc2A 5-2	Prsn2 4-5
F.IF.7, F.BF.1	79	Understanding Piecewise Functions	OnA1 6-1	Mc2A 2-7	Prsn2 (2-4)
	LAB 12	Gr Calc: Calculating Normal Distribution Areas and Z-Scores	On2A 10-4		
S.ID.4, S.MD.2	80	Finding the Normal Distribution	On2A 10-4	Mc2A 12-7	Prsn2 11-10
	INV8	Investigation: Finding the Area Under a Curve			
F.LE.4	81	Using Natural Logarithms		Mc2A 8-3	Prsn2 7-6
F.TF.4,5	82	Graphing Sine and Cosine Functions	On2A 8-5	Mc2A 14-1	Prsn2 13-4,5
A.CED.2	83	Writing Quadratic Equations from Roots	On2A 2-5		Prsn2 4-5+
A.REI.2	84	Solving Rational Equations	On2A 4-6	Mc2A 9-6	Prsn2 8-6
	85	Finding Polynomial Roots II	On2A 3-8	Mc2A 6-6	Prsn2 5-6
F.IF.4,7, F.TF.5	86	Translating Sine and Cosine Functions	On2A 8-8	Mc2A 14-2	Prsn2 13-7
	87	Evaluating Logarithmic Expressions	On2A 7-3	Mc2A 8-6	Prsn2 7-5
A.CED.4, A.REI.3	88	Solving Abstract Equations	OnA1 2-5		Prsn2 1-4
A.APR.3	89	Solving Quadratic Inequalities		Mc2A 5-7	Prsn2 4-9+
F.IF.4,7, F.TF.5	90	Graphing the Tangent Function	On2A 8-6	Mc2A 14-1	Prsn2 13-6
F.IF.7	INV9	Investigation: Understanding Step Functions			Prsn2 2-4+
	LAB13	Gr Calc: Graphing Circles and Polar Equations			
N.CN.6, G.GPE.1,6	91	Making Graphs and Solving Equations of Circles	OnG 8-1	Mc2A 10-3	Prsn2 10-3
F.IF.3, F.BF.2, F.LE.2	92	Finding Arithmetic Sequences	On2A 9-2	Mc2A 11-2	Prsn2 9-2
F.BF.5	93	Solving Exponential Equations and Inequalities	On2A 6-7	Mc2A 8-6	Prsn2 7-5
	94	Solving Rational Inequalities			Prsn2 8-6+
A.APR.2	95	Factoring Higher-Order Polynomials	On2A 3-10	Mc2A 6-7	Prsn2 5-6
	96	Using Polar Coordinates			
F.BF.2	97	Finding Geometric Sequences	On2A 9-3	Mc2A 11-3	Prsn2 9-3
G.GPE.3	98	Making Graphs and Using Equations of Ellipses		Mc2A 10-4	Prsn2 10-4
N.VM.1,2,3,4	99	Using Vectors			Prsn2 12-6
F.IF.5,7	100	Graphing Rational Functions I	On2A 4-3	Mc2A 9-2	Prsn2 8-3