

Pacing for Glencoe's *Florida Algebra 2*, Regular and Honors

Lesson Number	Lesson Title	Standard(s) Covered	Regular Pacing (days)	Honors Pacing (days)
1-3	Solving Equations	MA.912.A.3.3	2	1
1-4	Solving Absolute Value Equations	MA.912.A.3.6	2	1
Explore 1-6	Algebra Lab: Interval Notation	LA.910.1.6.1**	1	0
1-6	Solving Compound and Absolute Value Inequalities	MA.912.A.3.6	2	2
Chapter 1	Review and Testing	—	2	2
2-1	Relations and Functions	MA.912.A.10.3	2	1
2-2	Linear Relations and Functions	MA.912.A.2.6, MA.912.A.10.3	2	1
Extend 2-2	Algebra Lab: Roots of Equations and Zeros of Functions	MA.912.A.4.8	1	0.5
2-3	Rate of Change and Slope	MA.912.A.10.3	2	1
2-4	Writing Linear Equations	MA.912.A.3.10	2	1
Extend 2-4	Graphing Technology Lab: Direct Variation	MA.912.A.2.12	1	0.5
2-6	Special Functions	MA.912.A.2.5, MA.912.A.2.6, MA.912.A.2.9*	2	2
2-7	Parent Functions and Transformations	MA.912.A.2.5, MA.912.A.2.6, MA.912.A.2.10	2	2
Chapter 2	Review and Testing	—	2	2
3-1	Solving Systems of Equations by Graphing	MA.912.A.3.14, MA.912.A.3.15	2	1
Extend 3-1	Graphing Technology Lab: Systems of Equations	MA.912.A.3.14	1	0.5
3-2	Solving Systems of Equations Algebraically	MA.912.A.3.14, MA.912.A.3.15	2	2
3-3	Solving Systems of Inequalities by Graphing	LA.910.4.2.1, MA.912.A.3.14, MA.912.A.3.15	2	2
Extend 3-3	Graphing Technology Lab: Systems of Linear Inequalities	MA.912.A.3.14	1	0.5
3-4	Optimization with Linear Programming	MA.912.A.3.14, MA.912.A.3.15	2	2

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Lesson Number	Lesson Title	Standard(s) Covered	Regular Pacing (days)	Honors Pacing (days)
3-5	Systems of Equations in Three Variables	MA.912.A.3.14, MA.912.A.3.15	2	2
Chapter 3	Review and Testing	—	2	2
4-1	Introduction to Matrices	LA.910.1.6.1**	2	0
4-5	Determinants and Cramer's Rule	MA.912.A.3.14	2	2
4-6	Inverse Matrices and Systems of Equations	MA.912.A.3.14	2	2
Extend 4-6	Graphing Technology Lab: Augmented Matrices	MA.912.A.3.14	2	2
Chapter 4	Review and Testing	—	2	2
5-1	Graphing Quadratic Functions	MA.912.A.2.6, MA.912.A.7.6, MA.912.A.10.3	2	2
5-2	Solving Quadratic Equations by Graphing	MA.912.A.7.6, MA.912.A.7.10*	2	2
Extend 5-2	Graphing Technology Lab: Solving Quadratic Equations	MA.912.A.4.9, MA.912.A.7.10*	1	0.5
5-3	Solving Quadratic Equations by Factoring	MA.912.A.4.3, MA.912.A.10.3	2	2
5-4	Complex Numbers	MA.912.A.1.6	2	2
5-5	Completing the Square	MA.912.A.7.3, MA.912.A.7.5	2	2
Extend 5-5	Graphing Technology Lab: Solving Quadratic Equations	MA.912.A.7.3	1	0.5
5-6	The Quadratic Formula and the Discriminant	MA.912.A.7.4, MA.912.A.7.5, MA.912.A.10.3	2	2
Extend 5-6	Algebra Lab: Sums and Products of Roots	MA.912.A.4.7	1.5	1
Explore 5-7	Graphing Technology Lab: Families of Parabolas	MA.912.A.2.6, MA.912.A.2.10	1.5	1
5-7	Transformations with Quadratic Functions	MA.912.A.2.10	2	2
5-8	Quadratic Inequalities	MA.912.A.4.11*, MA.912.A.10.3	2	2
Chapter 5	Review and Testing	—	2	2
Extend 6-1	Algebra Lab: Dimensional Analysis	LA.910.1.6.1**	1	0
6-2	Dividing Polynomials	LA.910.4.2.1, MA.912.A.4.4	2	2
6-3	Polynomial Functions	MA.912.A.4.5	2	2

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Lesson Number	Lesson Title	Standard(s) Covered	Regular Pacing (days)	Honors Pacing (days)
Extend 6-3	Algebra Lab: Polynomial Functions and Rate of Change	MA.912.A.4.5	1	0.5
6-4	Analyzing Graphs of Polynomial Functions	MA.912.A.2.6, MA.912.A.4.5	1	2
Extend 6-4	Graphing Technology Lab: Modeling Data Using Polynomial Functions	MA.912.A.4.5, MA.912.A.4.10	2	1
6-5	Solving Polynomial Equations	MA.912.A.4.3, MA.912.A.4.10	2	2
Extend 6-5	Graphing Technology Lab: Solving Polynomial Inequalities	MA.912.A.4.11*	0	1
6-6	The Remainder and Factor Theorems	MA.912.A.4.3, MA.912.A.4.6, MA.912.A.4.8	2	2
6-7	Roots and Zeros	MA.912.A.4.3, MA.912.A.4.6, MA.912.A.4.7, MA.912.A.4.8	2	2
6-8	Rational Zero Theorem	MA.912.A.4.3, MA.912.A.4.6, MA.912.A.4.8	2	2
Chapter 6	Review and Testing	—	2	2
7-1	Operations on Functions	MA.912.A.2.7, MA.912.A.2.8	2	2
7-2	Inverse Functions and Relations	MA.912.A.2.11	2	2
Extend 7-2	Graphing Technology Lab: Inverse Functions and Relations	MA.912.A.2.11	1	0.5
7-3	Square Root Functions & Inequalities	MA.912.A.2.6	2	2
7-4	n th Roots	MA.912.A.10.3	2	2
Extend 7-4	Graphing Technology Lab: Graphing n th Root Functions	MA.912.A.2.6	1	0.5
7-5	Operations with Radical Expressions	MA.912.A.6.2	2	2
7-6	Rational Exponents	MA.912.A.6.3, MA.912.A.6.4, MA.912.A.6.5	2	2
7-7	Solving Radical Equations and Inequalities	MA.912.A.6.5, MA.912.A.10.3	2	2
Extend 7-7	Graphing Technology Lab: Solving Radical Equations and Inequalities	MA.912.A.6.5	1.5	1

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Chapter 7	Review and Testing	—	2	2
8-1	Graphing Exponential Functions	LA.910.4.2.1, MA.912.A.2.10, MA.912.A.8.1, MA.912.A.8.3, MA.912.A.8.7, MA.912.A.10.3	2	2
Explore 8-2	Graphing Technology Lab: Solving Exponential Equations and Inequalities	MA.912.A.8.5	1.5	1
8-2	Solving Exponential Equations and Inequalities	MA.912.A.8.5, MA.912.A.10.3	2	2
8-3	Logarithms and Logarithmic Functions	MA.912.A.2.10, MA.912.A.8.1, MA.912.A.8.2, MA.912.A.8.3	2	2
8-4	Solving Logarithmic Equations and Inequalities	MA.912.A.8.2, MA.912.A.8.5	2	2
8-5	Properties of Logarithms	MA.912.A.8.2, MA.912.A.8.5	2	2
8-6	Common Logarithms	MA.912.A.8.2, MA.912.A.8.5, MA.912.A.8.6	2	2
Extend 8-6	Graphing Technology Lab: Solving Logarithmic Equations and Inequalities	MA.912.A.8.5	1.5	1
8-7	Base e and Natural Logarithms	MA.912.A.8.2, MA.912.A.8.5, MA.912.A.8.7, MA.912.A.10.3	2	2
8-8	Using Exponential and Logarithmic Functions	MA.912.A.8.5, MA.912.A.8.7	2	2
Chapter 8	Review and Testing	—	2	2
9-1	Multiplying and Dividing Rational Expressions	MA.912.A.5.2, MA.912.A.5.3, MA.912.A.10.3	2	2
9-2	Adding and Subtracting Rational Expressions	LA.910.4.2.1, MA.912.A.5.2	2	2
9-3	Graphing Reciprocal Functions	LA.910.1.6.1, MA.912.A.2.6, MA.912.A.5.6*	2	2
9-4	Graphing Rational Functions	MA.912.A.2.10, MA.912.A.2.6, MA.912.A.5.6*	2	2
Extend 9-4	Graphing Technology Lab: Graphing Rational Functions	MA.912.A.2.6, MA.912.A.5.6*	1	0.5
9-5	Variation Functions	MA.912.A.2.12	2	2
9-6	Solving Rational Equations and Inequalities	MA.912.A.5.5	2	2

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Extend 9-6	Graphing Technology Lab: Solving Rational Equations and Inequalities	MA.912.A.5.5	1.5	1
Chapter 9	Review and Testing	—	2	2
10-2	Parabolas	MA.912.A.9.1*, MA.912.A.9.2*	0	2
Explore 10-3	Graphing Technology Lab: Equations of Circles	MA.912.A.9.1*, MA.912.A.9.2*, MA.912.G.6.6*	0	0.5
10-3	Circles	MA.912.G.6.6*, MA.912.G.6.7*, MA.912.A.9.1*, MA.912.A.9.2*	0	2
Explore 10-4	Algebra Activity: Investigating Ellipses	MA.912.A.9.2*	0	1
10-4	Ellipses	MA.912.A.9.1*, MA.912.A.9.2*	0	2
10-5	Hyperbolas	MA.912.A.9.1,* MA.912.A.9.2*	0	2
10-6	Identifying Conic Sections	MA.912.A.9.1*, MA.912.A.9.2*	0	2
Extend 10-6	Graphing Technology Lab: Identifying and Graphing Conic Sections	MA.912.A.9.1*, MA.912.A.9.2*	0	0.5
10-7	Solving Quadratic Systems	MA.912.A.7.7*	0	2
Chapter 10	Review and Testing	—	0	2
11-1	Sequences as Functions	MA.912.D.11.1, MA.912.D.11.3	2	2
11-2	Arithmetic Sequences and Series	MA.912.D.11.1, MA.912.D.11.2*, MA.912.D.11.3, MA.912.D.11.4*	2	2
11-3	Geometric Sequences and Series	MA.912.D.11.1, MA.912.D.11.2*, MA.912.D.11.3, MA.912.D.11.4*	2	2
11-4	Infinite Geometric Series	MA.912.D.11.1, MA.912.D.11.2*, MA.912.D.11.4*	2	2
11-5	Recursion and Iteration	MA.912.D.11.1	2	2
11-6	The Binomial Theorem	MA.912.A.4.12*	0	2
Chapter 11	Review and Testing	—	2	2
Totals			160	160

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