Advanced Algebra Assignments
Fall 2020

TOPIC	ASSIGNMENT
Operations on Real Numbers	AI: 1.1: worksheet: all except 35, 36, 39; on 34, change in. to cm.
Solving Linear Equations	AI: 1.2, 1.3: worksheet
Problem Solving Using Algebraic Models	AI: 1.3b: Worksheet
Quiz Review	Review Worksheet
Literal Equations and Formulas	AI: 1.4: Worksheet: all except 30-32
Solving Inequalities in One Variable	AI: 1.5: Worksheet: all except 14, 46, 50
Compound Inequalities	AI: 1.6: Worksheet: all except 10, 13c, 31, 35
Absolute Value Equations and Inequalities	AI: 1.7: Worksheet : all except 11, 13, 14b, 39, 40, 44
Algebra I, Chapter 1 Review	Review Worksheet
Slope and Rate of Change	AI: 2.1a: Worksheet
Slope-Intercept Form	AI: 2.1b: Worksheet: all except 37, 40
Point-Slope Form	AI: 2.2: Worksheet all except 39-41
Standard Form	AI: 2.3: Worksheet: all except 43-46
Parallel and Perpendicular Lines	AI: 2.4: Worksheet: all except 13, 29, 32, 34
Algebra I, Chapter 2 Review	Review Worksheet
Absolute Value Functions	AI: 5.1: Worksheet: all except 12-15, 32-36
Key Features of Functions	1.1: Worksheet: all except 17, 29, 33
Transformations of Functions	1.2: Worksheet: all except 17, 33, 35-38; on 15, write as vertical stretch only
Piecewise-Defined Functions	1.3: Worksheet: all except 19, 21, 23, 25, 27
Arithmetic Sequences and Series	1.4: Worksheet: all except 34, 36-38
Advanced Algebra Chapter 1, Part 1	Review Worksheet: all except 15
Solving Equations and Inequalities by Graphing	1.5: Worksheet: all except 8, 19, 22-25, 31-32, 35
Solving Linear Systems by Graphing	AI: 4.1: Worksheet: all except 20-23, 26, 28-29
Solving Linear Systems by Substitution	AI: 4.2: Worksheet: all except 34-38
Solving Linear Systems by Elimination	AI: 4.3: Worksheet: all except 12, 33-37, 39
Solving Inequalities and Systems of Inequalities using Graphing	AI: 4.4: Worksheet: odds from 11-31, 28, 30
Solving Inequalities and Systems of Inequalities using Graphing	AI: 4.5: Worksheets: odds from 11-33, 32, 34
Solving Systems Quiz	Review Worksheet
Solving Linear Systems of 3 Variables	1.6: Worksheet: all except 12, 13, 32, 35, 37, 38
Solving Linear Systems Using Matrices	1.7: Worksheet: all except 11, 13, 15, 16, 19, 20, 33
Advanced Algebra, Chapter 1 Review – Part 2	Review Worksheet
Vertex Form of a Quadratic Function	2.1: Worksheet: all except 34, 37, 38
Standard Form of a Quadratic Function	2.2: Worksheet: all except 14, 25, 26, 31
Factored (Intercept Form) of a Quadratic Function	2.3a: Worksheet

Factoring using GCF, $x^2 + bx + c$	AI: 7.4: Worksheet: all odds except 23, 25 43; Do 18, 38, 42;
Factoring using GCF, $x^2 + bx + c$	AI: 7.5: Worksheet: all odds except 11, 19, 41; Do 12, 20, 36
Factoring using $ax^2 + bx + c$	AI: 7.6: Worksheet: all except 14, 19, 20, 21, 22, 51, 54
Factoring Special Cases	AI: 7.7: Worksheet: all except 17, 21, 51, 54
Advanced Algebra, Ch. 2: Review of Graphing and Factoring	Review Worksheet
Solving Equations by Factoring	2.3b: Worksheet: all except 10, 42, 45
Complex Numbers and Operations	2.4: Worksheet: all except 12, 13, 34-39, 46, 47, 50
Completing the Square	2.5: Worksheet: all except 11, 14, 41, 42, 43-48, 51, 54
The Quadratic Formula	2.6: Worksheet: all except 9, 13, 35, 36, 39
Linear-Quadratic Systems	2.7: Worksheet: all except 10, 26, 29
Advanced Algebra, Ch. 2: Review	Review Worksheet: All except # 20
Analyzing Data Displays	11.1: Worksheet: all except 29
Comparing Data Sets	11.2: Worksheet: all except 11, 23, 24
Interpreting the Shapes of Data Displays	11.3: Worksheet: all except 19, 22
Standard Deviation	11.4: Worksheet: all except 20, 24
Two-Way Frequency Tables	11.5: Worksheet: all except 25, 26, 27, 29
Advanced Algebra, Chapter 11 Review	Review Worksheet
Final Review	FR-R Final Review Worksheet