## Algebra by Design Table of Contents

Note: The letters and numbers in parentheses following the activity name reference specific Common Core State Standards for Mathematics addressed by the activity

1 Order of Operations – Two Operations (7.NS 3) 2 Order of Operations – Two or More Operations (7.NS 3) 3 Evaluating Expressions of One Variable 4 Evaluating Expressions of More Than One Variable 5 Solving Equations – One Operation (8.EE 7) 6 Solving Equations – One Operation (8.EE 7) 7 Solving Equations – Two Operations (8.EE 7) 8 Solving Equations – One or Two Operations (8.EE 7) 9 Adding and Subtracting Like Terms 10 Adding Two Signed Numbers (7.NS 1) 11 Adding Three Signed Numbers (7.NS 1) 12 Subtracting Signed Numbers (7.NS 1) 13 Subtracting Signed Numbers (7.NS 1) 14 Adding and Subtracting Signed Numbers (7.NS 1) 15 Multiplying Two Signed Numbers (7.NS 2) 16 Multiplying Two Signed Numbers (7.NS 2) 17 Multiplying Three or More Signed Numbers (7.NS 2) 18 Dividing Signed Numbers (7.NS 2) 19 Dividing Signed Numbers (7.NS 2) 20 Multiplying and Dividing Signed Numbers (7.NS 3) 21 Mix of Operations with Signed Numbers (7.NS 2, 7.NS 3) 22 Adding Like Terms 23 Subtracting Like Terms 24 Multiplying Monomials (A-APR 1) 25 Multiplying Monomials (A-APR 1) 26 Dividing Monomials 27 Evaluating Expressions of One Variable 28 Evaluating Expressions of More Than One Variable 29 Evaluating Expressions with Parentheses 30 Solving Equations – One Operation (A-REI 3) 31 Solving Equations – One Operation (A-REI 3) 32 Solving Equations – One Operation (A-REI 3) 33 Solving Equations – Two Operations (A-REI 3) 34 Solving Equations – One or Two Operations (A-REI 3) 35 Word Expressions to Algebraic Expressions – One Operation (7.EE 4) 36 Word Expressions to Algebraic Expressions – Two Operations (7.EE 4) 37 Word Expressions to Algebraic Expressions – One or Two Operations (7.EE 4) 38 Solving Word Problems - One Operation (7.EE 4) 39 Solving Word Problems – One or Two Operations (7.EE 4) 40 Solving Word Problems – One or Two Operations (7.EE 4) **41** Opposites 42 Changing Word Expressions with Opposites to Algebraic Expressions (7.EE 4) 43 Solving Word Problems Containing Opposites (7.EE 4) 44 Finding the Missing Term in a Sequence Solution Key