

WISCONSIN STANDARDS MAP
(Algebra I)

Standard No.	Standard Language	Publisher Citations	
	ALGEBRA I	Primary Citations	Supporting Citations
F.8.1	Work with algebraic expressions in a variety of ways, including <ul style="list-style-type: none"> • using appropriate symbolism, including exponents and variables • evaluating expressions through numerical substitution • generating equivalent expressions • adding and subtracting expressions 	1.02 to 1.09 1.12 to 1.20 1.23 to 1.27 9.01 to 9.04 9.06 to 9.09 9.12 to 9.21 10.03 to 10.09 10.14 to 10.17 11.01 to 11.05 11.19 to 11.21 12.0 12.02 12.04 12.06 12.10 12.25 to 12.26	1.01 1.10 to 1.11 1.21 to 1.22 1.28 to 1.29 1.39 9.10 to 9.11 9.22 to 9.23 9.39 10.12 to 10.13 10.18 to 10.19 10.85 11.08 to 11.09 11.24 to 11.25 11.51 12.07 to 12.09 12.69
F.8.2	Work with linear and nonlinear patterns and relationships in a variety of ways, including <ul style="list-style-type: none"> • representing them with tables, with graphs, and with algebraic expressions, equations, and inequalities • describing and interpreting 	1.12 to 1.13 1.17 1.25 to 1.26 3.0 to 3.61 5.01 to 5.57 6.01 to 6.18 8.0 to 8.10 13.0 to 13.02 13.46 to 13.47	1.21 to 1.22 1.28 to 1.29 5.65 6.33 8.11 to 8.12 8.40 13.63

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	their graphical representations (e.g., slope, rate of change, intercepts) <ul style="list-style-type: none"> • using them as models of real-world phenomena • describing a real-world phenomenon that a given graph might represent 		
F.8.3	Recognize, describe, and analyze functional relationships by generalizing a rule that characterizes the pattern of change among variables. These functional relationships include exponential growth and decay (e.g., cell division, depreciation).	1.02 1.17 to 1.18 3.52 5.13 to 5.14 5.16 6.04 6.07 13.46 to 13.47	1.21 to 1.22 5.65 6.33 13.63
F.8.4	Use linear equations and inequalities in a variety of ways, including <ul style="list-style-type: none"> • writing them to represent problem situations and to express generalizations • solving them by different methods (e.g., informally, graphically, with formal properties, with technology) • writing and evaluating 	1.30 to 1.35 3.0 to 3.61 5.08 to 5.10 5.35 8.03 to 8.10	1.36 to 1.37 1.39 5.11 to 5.12 8.11 to 8.12 8.40

Publisher: Kinetic Books®
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 Components:
 Grade Level(s): middle school

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	formulas (including solving for a specified variable) <ul style="list-style-type: none"> • using them to record and describe solution strategies 		
F.8.5	Recognize and use generalized properties and relations, including <ul style="list-style-type: none"> • additive and multiplicative property of equations and inequalities • commutativity and associativity of addition and multiplication • distributive property • inverses and identities for addition and multiplication • transitive property 	1.07 to 1.08 2.43 to 2.49 3.02 to 3.09 8.03 to 8.10	2.50 to 2.51 3.10 to 3.12 8.11 to 8.12