



# Mathematics Skills Profile Grade 8 and Algebra 1

## Algebra Foundations and Content Analysis



School: \_\_\_\_\_ Grade: \_\_\_\_\_ Teacher(s): \_\_\_\_\_ Date: \_\_\_\_\_

Tier	Assessed Skills → ----- ↓ Student Names ↓	Assessed Skills																
		Accurate but slow	Makes careless errors (i.e., fails to simplify expressions or reduce fractions)	Makes integer errors	Struggles with order of operations	Struggles with computation (whole numbers and rational numbers)	Struggles with equivalent fractions and proportional reasoning	Use ordered pairs	Identify and extend patterns in tables	Apply slope and intercept, and interpret graphs of linear functions	Write expressions in words and symbols	Solve one-step linear equations	Solve two-step linear equations	Solve systems of linear equations	Interpret, graph, and solve linear inequalities	Evaluate numeric expressions (no exponents)	Evaluate algebraic expressions	Apply integer exponents

- = student has not demonstrated understanding of this concept/skill
- ◐ = student has demonstrated some understanding of this concept/skill
- = student has demonstrated adequate understanding of this concept/skill
- X = student struggles with this issue (i.e., accurate but slow; careless errors; computation)

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