

MATTHIE ASSESSMENT

Mastery-Based Math Resources

Matthie Recalculation Path

Algebra: A Complete Course (Book 2)

Trackers & Forms

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Recalculation Record (Required)

This is the one required tracker. It records, per student, the status of every skill in the Algebra skill map. Status codes: NY (Not Yet), R (Recalculating), M (Mastered), IE (Insufficient Evidence). Update after each confirmed pattern, not after a single item.

Student name: _____	Grade: _____ School year: _____
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Skill ID	Skill	Status (NY/R/M/IE)	Date	Notes
AL-EX-01	Combine like terms only			
AL-EX-02	Distribute a negative sign across brackets			
AL-EX-03	Distinguish expressions from equations; translate words correctly			
AL-EX-04	Substitute using order of operations, with brackets around negative values			
AL-EX-05	Recognize an expression's value depends on input; interpret results in context			
AL-EQ-01	Solve a one-step equation using the correct inverse operation on both sides			
AL-EQ-02	Verify a solution by substituting back into the original equation			
AL-EQ-03	Solve a multi-step equation with brackets fully and correctly resolved			
AL-EQ-04	Recognize and interpret no-solution and infinitely-many-solutions cases			
AL-IN-01	Flip the inequality sign when multiplying or dividing by a negative			

Skill ID	Skill	Status (NY/R/M/IE)	Date	Notes
AL-IN-02	Graph an inequality correctly and interpret the solution set in context			
AL-LN-01	Identify slope and y-intercept, including implicit coefficients			
AL-LN-02	Calculate slope from two points; distinguish zero slope from undefined slope			
AL-LN-03	Use point-slope form correctly with negative coordinates			
AL-LN-04	Find a perpendicular slope; recognize vertical lines can't be written in $y=mx+b$			
AL-SY-01	Solve a system with correct bracket and sign handling			
AL-SY-02	Interpret the result of solving a system			
AL-PL-01	Add and subtract polynomials, distributing the negative fully			
AL-PL-02	Multiply binomials with full distribution			
AL-PL-03	Check for a GCF before factoring the remaining trinomial			
AL-PL-04	Verify a factored form by expanding; recognize non-factorable sums of squares			

Optional Forms

Class Summary Roster: OPTIONAL. Use only if you want a single at-a-glance view across an entire class rather than one Recalculation Record per student; skip it if per-student records are enough.

Cross-Book Routing Log: OPTIONAL. Use once Book 1's skill map is upscaled to this same format and a student's gap traces back to specific Number Sense skills; not needed until that routing becomes precise rather than general.