Integrated Algebra/Geometry 1A Checklist

Mastery Objectives **Students will demonstrate at a mastery level:**	**Date**	**Notes**	**Provided Resources** Integrated Math 1 Textbook
Basic Skills Review			
Ability to perform: • multiplication • long division • locating place value • rounding Estimated time: 3 to 4 weeks			Hands-On Equations Pre-Algebra with Pizzazz Moogie Math Plato Lab Explorations and labs Manipulatives
Ability to: • use properties of addition and multiplication • compare integers • add, subtract, multiply and divide integers • solve one-step equations • find prime factorizations • find greatest common factor • find least common multiple • find reciprocals • add, subtract, multiply and divide fractions • solve percent problems • use a protractor • find perimeter • find area • find volume • locate and graph points on a coordinate plane • make a bar graph • make a line graph • make a pictograph • make a circle graph Estimated time: 4 to 5 weeks			Toolbox Skills 1 – 25 Integrated 1 textbook
Ability to: • problem solve • estimate answers • determine the reasonableness of an answer			Toolbox Skills 26, 27
Communicating Mathematics			

Critical Content Outlines are designed to identify those objectives that the typical student at this grade level is expected to perform at a mastery level. Classroom instruction will need to review/ reinforce Critical Content from prior grades and to introduce concepts that are Critical Content at upcoming grades. Critical content outline from prior and upcoming grades will be valuable for differentiating instruction to meet specific student needs within the class.

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Ability to make statements about information presented in: • tables and graphs • concept maps			Section 1.1
Ability to: • identify and extend patterns • evaluate variable expressions			Section 1.2
Ability to: • evaluate powers of variables • make conjectures about powers of 10 • find counterexamples			Section 1.3
Ability to evaluate expressions using order of operations			Section 1.4
Ability to: • model distributive property • combine like terms			Section 1.5
Ability to: • identify congruent polygons • name polygons • identify transformations			Section 1.6
Ability to: • name quadrilaterals • find lines of symmetry • classify triangles			Section 1.7
Using Measures and Equations			
Ability to: • estimate by comparing • estimate probabilities			Section 2.1

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Mastery Objectives **Students will demonstrate at a mastery level:**	**Date**	**Notes**	**Provided Resources** Integrated Math 1 Textbook
Ability to: • evaluate expressions with negative numbers • evaluate using absolute value			Section 2.2
Ability to: • read and write numbers in scientific notation • read and write numbers in decimal notation • evaluate using rules of exponents			Section 2.3
Ability to: • estimate distances on a map • recognize symbols representing geometric terms			Section 2.4
Ability to: • classify angles • estimate angle measures • find unknown angle measures			Section 2.5
Ability to: • simplify an expression for the measure of a figure • collect like terms with two variables			Section 2.6
Ability to solve equations by balancing			Section 2.7
Ability to solve equations by undoing			Section 2.8
Ability to: • find square roots • find cube roots			Section 2.9
Representing Data			

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Ability to: • use and interpret data from matrices, spreadsheets and graphs			Section 3.1
Ability to: • find mean, median and mode • identify outliers in a data set • calculate range			Section 3.2
Ability to: • write an inequality • graph an inequality on a number line			

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