

# PLATO Course Pre-Algebra, Semester A and B

2/4/11

Teachers please choose the Unit(s) this student needs to master in PLATO in order to receive credit recovery. **Please Note: Material for recovery can only be assigned for terms (quarters/semesters) that a student has already failed, not for a grading period a student is currently participating in.**

Student Name: \_\_\_\_\_  
Teacher Name \_\_\_\_\_  
Credit Recovery Needed:  
Quarter 1: \_\_\_\_\_ Quarter 2: \_\_\_\_\_ Quarter 3: \_\_\_\_\_ Quarter 4: \_\_\_\_\_

Student ID: \_\_\_\_\_  
Grade Received: \_\_\_\_\_

## Unit 1 - Whole Numbers

Check here if student must complete all of this Unit/Chapter

- \_\_\_\_\_ Pretest - Unit 1
- \_\_\_\_\_ Understanding Place Value: Thousands
- \_\_\_\_\_ Understanding Place Value: Millions, Billions, and Beyond
- \_\_\_\_\_ Comparing and Ordering Whole Numbers
- \_\_\_\_\_ Estimation Basics (Pre-AlgA)
- \_\_\_\_\_ Estimation by Clustering (Pre-AlgA)
- \_\_\_\_\_ Adding Two 2-Digit Numbers: Sums Less Than 100
- \_\_\_\_\_ Adding Three or Four Numbers
- \_\_\_\_\_ Adding Two 2-Digit Numbers: Sums Greater Than 99
- \_\_\_\_\_ Using the Identity Property of Addition
- \_\_\_\_\_ Adding Multi-Digit Numbers
- \_\_\_\_\_ Subtracting a 1-Digit Number from a 2-Digit Number
- \_\_\_\_\_ Subtracting Two 2-Digit Numbers
- \_\_\_\_\_ Subtracting Multi-Digit Numbers with Regrouping
- \_\_\_\_\_ Subtracting Multi-Digit Numbers with Consecutive Regrouping
- \_\_\_\_\_ Subtracting across Zeros
- \_\_\_\_\_ Multiplying a 2-Digit Number by a 1-Digit Number
- \_\_\_\_\_ Multiplying a 3-Digit Number by a 1-Digit Number
- \_\_\_\_\_ Multiplying a 2-Digit Number by a 2-Digit Number
- \_\_\_\_\_ Multiplying by a Multiple of 10 or 100
- \_\_\_\_\_ Multiplying a Multiple of 10 by a Multiple of 10
- \_\_\_\_\_ Using the Identity Property of Multiplication
- \_\_\_\_\_ Dividing by a 1-Digit Number
- \_\_\_\_\_ Dividing by a 2-Digit Number
- \_\_\_\_\_ Dividing Multiples of 100
- \_\_\_\_\_ Special Divisibility Rules
- \_\_\_\_\_ Using the Commutative Property of Addition
- \_\_\_\_\_ Using the Associative Property of Addition
- \_\_\_\_\_ Using the Commutative Property of Multiplication
- \_\_\_\_\_ Using the Associative Property of Multiplication
- \_\_\_\_\_ Using the Distributive Property of Multiplication over Addition
- \_\_\_\_\_ Solving Addition and Subtraction Story Problems
- \_\_\_\_\_ Solving Multiplication Story Problems
- \_\_\_\_\_ Solving Division Story Problems
- \_\_\_\_\_ Posttest - Unit 1

## Unit 2 - Fractions

Check here if student must complete all of this Unit/Chapter

- \_\_\_\_\_ Pretest - Unit 2
- \_\_\_\_\_ Fraction Notation: Numerator and Denominator
- \_\_\_\_\_ Proper Fractions and Improper Fractions
- \_\_\_\_\_ Finding Equivalent Fractions
- \_\_\_\_\_ Finding Factors and Prime Factors
- \_\_\_\_\_ Greatest Common Factors
- \_\_\_\_\_ Simplifying Fractions
- \_\_\_\_\_ Finding Common Multiples and the Least Common Multiple
- \_\_\_\_\_ Working with Common Denominators and the Least Common Denominator
- \_\_\_\_\_ Comparing Fractions
- \_\_\_\_\_ Ordering Fractions
- \_\_\_\_\_ Adding and Subtracting Fractions: Like Denominators
- \_\_\_\_\_ Adding and Subtracting Fractions: Unlike Denominators
- \_\_\_\_\_ Multiplying Two Fractions
- \_\_\_\_\_ Finding the Reciprocal
- \_\_\_\_\_ Dividing a Fraction by a Fraction
- \_\_\_\_\_ Dividing Fractions (Pre-AlgA)
- \_\_\_\_\_ Solving Fraction Story Problems
- \_\_\_\_\_ Posttest - Unit 2

## Unit 3 - Decimals

Check here if student must complete all of this Unit/Chapter

- \_\_\_\_\_ Pretest - Unit 3
- \_\_\_\_\_ Understanding Decimal Place Value: Tenths and Hundredths
- \_\_\_\_\_ Understanding Decimal Place Value: Thousandths and Ten-Thousandths
- \_\_\_\_\_ Comparing and Ordering Decimals
- \_\_\_\_\_ Rounding Decimals
- \_\_\_\_\_ Relating Decimals, Fractions, and Mixed Numbers
- \_\_\_\_\_ Renaming a Fraction as a Decimal
- \_\_\_\_\_ Fractions and Repeating Decimals
- \_\_\_\_\_ Rational and Irrational Numbers
- \_\_\_\_\_ Adding and Subtracting Decimals
- \_\_\_\_\_ Multiplying Decimals
- \_\_\_\_\_ Dividing a 2-Digit Number by 10 or 100
- \_\_\_\_\_ Dividing Decimal Numbers
- \_\_\_\_\_ Solving Decimal Story Problems
- \_\_\_\_\_ Mental Math with Whole Numbers and Decimals (Pre-AlgA)
- \_\_\_\_\_ Posttest - Unit 3

## Unit 4 - Ratios and Proportions, Percents, and Measurement

Check here if student must complete all of this Unit/Chapter

- \_\_\_\_\_ Pretest - Unit 4
- \_\_\_\_\_ Understanding Percent
- \_\_\_\_\_ Relating Fractions, Decimals, and Percents
- \_\_\_\_\_ Finding a Percent of a Whole Number
- \_\_\_\_\_ Finding a Percent of a Decimal Number
- \_\_\_\_\_ Percent Increases and Decreases
- \_\_\_\_\_ Solving Problems with Percents (Pre-AlgA)
- \_\_\_\_\_ Mental Math with Fractions and Percents (Pre-AlgA)
- \_\_\_\_\_ Understanding Ratio (Pre-AlgA)
- \_\_\_\_\_ Equivalent Ratios
- \_\_\_\_\_ Understanding Proportion (Pre-AlgA)
- \_\_\_\_\_ Solving Proportions
- \_\_\_\_\_ Solving Ratio, Proportion, and Percent Story Problems
- \_\_\_\_\_ Scaling and Proportion, Part 1 (Pre-AlgA)
- \_\_\_\_\_ Scaling and Proportion, Part 2 (Pre-AlgA)
- \_\_\_\_\_ Length
- \_\_\_\_\_ Capacity
- \_\_\_\_\_ Weight and Mass
- \_\_\_\_\_ Converting between Celsius and Fahrenheit Temperatures
- \_\_\_\_\_ Posttest - Unit 4

End-of-Semester Test - Pre-Algebra A

## Unit 1 - Integers

Check here if student must complete all of this Unit/Chapter

- \_\_\_\_\_ Pretest - Unit 1
- \_\_\_\_\_ The Additive Inverse of Integers (Pre-AlgB)
- \_\_\_\_\_ Absolute Value of a Number (Pre-AlgB)
- \_\_\_\_\_ Adding Integers (Pre-AlgB)
- \_\_\_\_\_ Subtracting Integers (Pre-AlgB)
- \_\_\_\_\_ Multiplying Integers (Pre-AlgB)
- \_\_\_\_\_ Dividing Integers (Pre-AlgB)
- \_\_\_\_\_ Exponents: Exponential Form (Pre-AlgB)
- \_\_\_\_\_ Exponents: Expanded Form (Pre-AlgB)
- \_\_\_\_\_ Exponents: Product Rule (Pre-AlgB)
- \_\_\_\_\_ Exponents: Power Rule (Pre-AlgB)
- \_\_\_\_\_ Square Roots of Perfect Squares (Pre-AlgB)
- \_\_\_\_\_ Square Roots of Imperfect Squares (Pre-AlgB)
- \_\_\_\_\_ Scientific Notation
- \_\_\_\_\_ Word Problems with Integers
- \_\_\_\_\_ Posttest - Unit 1

## Unit 2 - Geometry

Check here if student must complete all of this Unit/Chapter

- \_\_\_\_\_ Pretest - Unit 2
- \_\_\_\_\_ Lines, Parts of Lines, and Angles
- \_\_\_\_\_ Introduction to Polygons (Pre-AlgB)
- \_\_\_\_\_ Special Angles, Part 1 (Pre-AlgB)
- \_\_\_\_\_ Introduction to Quadrilaterals (Pre-AlgB)
- \_\_\_\_\_ Finding the Perimeter of Polygons
- \_\_\_\_\_ Radius, Diameter, Circumference, and Pi
- \_\_\_\_\_ The Pythagorean Theorem 1 (Pre-AlgB)
- \_\_\_\_\_ Area: Counting Square Units (Pre-AlgB)
- \_\_\_\_\_ Calculating the Area of Rectangles and Squares (Pre-AlgB)
- \_\_\_\_\_ Calculating the Area of Triangles
- \_\_\_\_\_ Area, Part 1 (Pre-AlgB)
- \_\_\_\_\_ Area, Part 2 (Pre-AlgB)
- \_\_\_\_\_ Changing Polygons and Circles
- \_\_\_\_\_ Perimeter and Area of Compound Shapes
- \_\_\_\_\_ Introduction to Solid Figures (Pre-AlgB)
- \_\_\_\_\_ Calculating the Volume of a Rectangular Prism (Pre-AlgB)
- \_\_\_\_\_ Volume
- \_\_\_\_\_ Surface Area of Prisms, Pyramids, and Cylinders
- \_\_\_\_\_ Exploring Congruent Figures (Pre-AlgB)
- \_\_\_\_\_ Special Triangles and Problems with Special Triangles
- \_\_\_\_\_ Lines in a Plane (Pre-AlgB)
- \_\_\_\_\_ Exploring Similar Figures (Pre-AlgB)
- \_\_\_\_\_ Using Geometry (Pre-AlgB)
- \_\_\_\_\_ Translations (Pre-AlgB)
- \_\_\_\_\_ Rotations (Pre-AlgB)
- \_\_\_\_\_ Symmetry (Pre-AlgB)
- \_\_\_\_\_ Tessellations
- \_\_\_\_\_ Posttest - Unit 2

## Unit 3 - Statistics and Graphs

Check here if student must complete all of this Unit/Chapter

- \_\_\_\_\_ Pretest - Unit 3
- \_\_\_\_\_ Interpreting Bar, Line, and Circle Graphs and Scatter Plots
- \_\_\_\_\_ Conducting a Survey
- \_\_\_\_\_ Creating Bar, Line, and Circle Graphs and Scatter Plots
- \_\_\_\_\_ Mean, Median, and Mode (Pre-AlgB)
- \_\_\_\_\_ More on Central Tendencies
- \_\_\_\_\_ Box-and-Whisker Plots
- \_\_\_\_\_ Analyzing the Validity of Data
- \_\_\_\_\_ Determining the Probability of an Event (Pre-AlgB)
- \_\_\_\_\_ Chance Experiments and Probability (Pre-AlgB)
- \_\_\_\_\_ Multiplication Principle of Counting (Pre-AlgB)
- \_\_\_\_\_ Posttest - Unit 3

## Unit 4 - Expressions, Equations, and Inequalities

Check here if student must complete all of this Unit/Chapter

- \_\_\_\_\_ Pretest - Unit 4
- \_\_\_\_\_ Order of Operations (Pre-AlgB)
- \_\_\_\_\_ Expressions in 1 Variable (Pre-AlgB)
- \_\_\_\_\_ Expressions in 2 or More Variables (Pre-AlgB)
- \_\_\_\_\_ Adding Monomials (Pre-AlgB)
- \_\_\_\_\_ Subtracting Monomials (Pre-AlgB)
- \_\_\_\_\_ Adding Binomials and Monomials (Pre-AlgB)
- \_\_\_\_\_ Subtracting Binomials and Monomials (Pre-AlgB)
- \_\_\_\_\_ Patterns and Sequences (Pre-AlgB)
- \_\_\_\_\_ Determining the Truth Value of a Statement (Pre-AlgB)
- \_\_\_\_\_ Linear Equations in 1 Variable: Solving by Inspection (Pre-AlgB)
- \_\_\_\_\_ Linear Equations in 1 Variable: Isolating the Variable (Pre-AlgB)
- \_\_\_\_\_ Simple Equations in 1 Variable: Using Inspection (Pre-AlgB)
- \_\_\_\_\_ Simple Equations in 1 Variable: Isolating the Variable (Pre-AlgB)
- \_\_\_\_\_ More Difficult Linear Equations in 1 Variable (Pre-AlgB)
- \_\_\_\_\_ Literal Equations (Pre-AlgB)
- \_\_\_\_\_ Adapting and Using Formulas (Pre-AlgB)
- \_\_\_\_\_ Using Linear Equations to Solve Problems (Pre-AlgB)
- \_\_\_\_\_ Solving Problems with Linear Equations in 1 Variable (Pre-AlgB)
- \_\_\_\_\_ Coordinate Plane (Pre-AlgB)
- \_\_\_\_\_ Ordered Pairs as Solutions of Linear Equations (Pre-AlgB)
- \_\_\_\_\_ Graphing Linear Equations in 2 Variables (Pre-AlgB)
- \_\_\_\_\_ Linear Patterns (Pre-AlgB)
- \_\_\_\_\_ Graphs, Slopes, and y-Intercepts (Pre-AlgB)
- \_\_\_\_\_ Equations, Graphs, Slopes, and y-Intercepts (Pre-AlgB)
- \_\_\_\_\_ Slope of a Line from 2 Points (Pre-AlgB)
- \_\_\_\_\_ Finding the Slope and y-Intercept from an Equation (Pre-AlgB)
- \_\_\_\_\_ Interpreting Graphs to Solve Problems (Pre-AlgB)
- \_\_\_\_\_ Linear Inequalities in 1 Variable, Part 1 (Pre-AlgB)
- \_\_\_\_\_ Linear Inequalities in 1 Variable, Part 2 (Pre-AlgB)
- \_\_\_\_\_ More Difficult Linear Inequalities in 1 Variable (Pre-AlgB)
- \_\_\_\_\_ Posttest - Unit 4

End-of-Semester Test - Pre-Algebra B

Office Use Only:

Counselor Name: \_\_\_\_\_

Referral Date: \_\_\_\_\_

Day: 1 2 Period: 1/2 3/4 5/6 7/8

Completion Date: \_\_\_\_\_

Teacher/Administrator: \_\_\_\_\_