



## Student Review and Assessment On the Internet Mathematics

### Courses

The **School Island** Mathematics courses have been designed to fit each school's Mathematics curriculum. Each Math course includes hundreds of multiple choice and short answer questions. Every question includes hints, reasons that are worked out in full detail, and associated vocabulary definitions. The courses are:

**Algebra**  
**Geometry**  
**Trigonometry**

**Math A**  
**Math B**  
**Intermediate Math (grades 6-8)**  
**Elementary Math (grades 3-5)**

### Units

#### **Algebra**

- Number Systems
- Introduction to Algebra
- Intermediate Algebra
- Introduction to Graphing
- More Graphing Techniques
- Probability
- Statistics

#### **Math A**

- Number Systems & Logic
- Introduction to Algebra
- The Geometry of Triangles
- The Geometry of Other Figures
- Graphing and Transformations
- Probability
- Statistics

#### **Intermediate Math**

- Analyzing Data
- Working with Decimals
- Working with Fractions
- Ratios, Proportions and Percents
- Integers, Rational and Real Numbers
- Algebra: Equations and Functions
- Graphing: Working with Coordinates
- Geometry: Patterns
- Geometry: Measurements
- Probability
- Problem Solving

#### **Geometry**

- Logic
- The Geometry of Triangles
- The Geometry of Other Figures
- Advanced Topics
- Introduction to Graphing
- More Graphing Techniques
- Transformations

#### **Math B**

- Number Systems
- Intermediate Algebra
- Geometry
- Trigonometry
- Graphing and Transformations
- Probability and Statistics

#### **Elementary Math**

- Working with Whole Numbers
- Working with Decimals
- Working with Fractions
- Working with Ratios and Percents
- Analyzing Data
- Algebra: Equations and Functions
- Graphing: Working with Coordinates
- Geometry: Patterns
- Geometry: Measurements
- Probability
- Problem Solving

#### **Trigonometry**

- The Geometry of Triangles
- Trigonometry
- Trigonometric Identities & Equations
- Graphic Techniques



## Student Review and Assessment On the Internet Mathematics

### **Themes and Attributes (courses other than Elementary Math)**

#### **Themes**

- Mathematical Reasoning
- Number and Numeration
- Operations
- Modeling and Multiple Representation
- Measurement
- Uncertainty
- Patterns and Functions

#### **Attributes**

- Diagram
- Table
- Graph
- Word Problem
- Proof
- Construction
- Calculator

### **Themes and Attributes (Elementary Math)**

#### **Themes**

- Number Systems
- Number Theory
- Operations
- Estimation
- Variables and Expressions
- Equations and Inequalities
- Patterns, Relations, and Functions
- Shapes
- Geometric Relationships
- Transformational Geometry
- Coordinate Geometry
- Units of Measurement
- Tools and Methods
- Units
- Collection, Organization and Display of Data
- Analysis of Data
- Predictions from Data
- Probability
- Problem Solving

#### **Attributes**

- Diagram
- Table
- Graph
- Word Problem
- Calculator

### **More Information**

Additional information about **School Island** can be found at [www.castlesoftware.com](http://www.castlesoftware.com).

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