



Integrated Math II Software Table of Contents – 2008-2009

Unit 1 : Probability

1-1 : Finding Simple Probabilities

1-2 : Finding Disjoint Probabilities

1-3 : Finding Theoretical and Experimental Probabilities

1-4 : Finding the Sample Space for Independent Events

1-5 : Finding the Sample Space for Dependent Events

1-6 : Finding the Sample Space for Independent and Dependent Events

1-7 : Finding Compound Probabilities

Unit 2 : Systems of Linear Equations Modeling

2-1 : Solving Linear Systems using Integers

2-2 : Solving Linear Systems using Decimals

Unit 3 : Graphs of Linear Equations

3-1 : Graphing linear equations using given method

3-2 : Graphing linear equations using chosen method

Unit 4 : Systems of Linear Equations

4-1 : Solving systems of linear equations by graphing

Unit 5 : Linear Models in General Form

5-1 : Modeling with Linear Inequalities

5-2 : Modeling linear equations in general form

Unit 6 : Graphs of Linear Inequalities

6-1 : Graphing linear inequalities in two variables

Unit 7 : Systems of Linear Inequalities

7-1 : Solving systems of linear inequalities

Unit 8 : Angles and Angle Pairs

8-1 : Measuring Angles

8-2 : Classifying Angles

8-3 : Classifying Angle Pairs

8-4 : Measuring Angles in a Triangle

Unit 9 : Angle Relationships in a Triangle

9-1 : Finding Measures of Angles in Triangles

Unit 10 : Angles Formed by Parallel Lines

10-1 : Finding Measures of Angles Formed with Parallel Lines

Unit 11 : Properties of Quadrilaterals and Parallelograms

11-1 : Finding Parts of Quadrilaterals and Parallelograms

Unit 12 : Properties of Trapezoids and Rectangles

12-1 : Finding Parts of Rectangles

12-2 : Finding Parts of Trapezoids

Unit 13 : Properties of Rhombi

13-1 : Finding Parts of Rhombi

Unit 14 : Geometric Transformations

14-1 : Performing One Transformation

14-2 : Performing Two Transformations

14-3 : Performing Three Transformations

Unit 15 : Similar Triangles

15-1 : Finding Corresponding Parts of Similar Triangles

Unit 16 : Exponential Modeling

16-1 : Modeling equations with starting point of one

16-2 : Modeling equations with starting point other than one

16-3 : Using regression models

Unit 17 : Linear and Exponential Transformations

17-1 : Shifting using verbal statements, equations, and graphs

17-2 : Transforming using verbal statements, graphs, and equations

17-3 : Transforming using tables of values

Unit 18 : Product Rule for Exponents

18-1 : Using the Product Rule with a Coefficient of One

18-2 : Using the Product Rule with Coefficients

18-3 : Using the Product Rule with Multiple Variables

Unit 19 : Quotient Rule for Exponents

19-1 : Using the Quotient Rule with a Coefficient of One

19-2 : Using the Quotient Rule with Coefficients

19-3 : Using the Quotient Rule with Multiple Variables

Unit 20 : Logarithmic and Exponential Equations

20-1 : Solving base 10 equations (No Type In)

20-2 : Solving base 10 equations (Type In)

20-3 : Solving base e equations (No Type In)

20-4 : Solving base e equations (Type In)

20-5 : Solving any base equations (No Type In)

20-6 : Solving any base equations (Type In)

20-7 : Solving appreciation and depreciation equations (No Type In)

20-8 : Solving appreciation and depreciation equations (Type In)

Unit 21 : Quadratic Models in Factored Form

21-1 : Modeling area as product of monomial and binomial

21-2 : Modeling area as product of two binomials

21-3 : Maximizing Area

Unit 22 : Linear and Quadratic Transformations

22-1 : Shifting vertically

22-2 : Reflecting and dilating using graphs

22-3 : Shifting horizontally

22-4 : Transformations using tables of values

22-5 : Using Multiple Transformations

Unit 23 : Quadratic Models and Area

23-1 : Modeling area of rectangles

Unit 24 : Quadratic Models in General Form

24-1 : Using regression models

24-2 : Modeling projectile motion from ground

24-3 : Modeling projectile motion from above ground

24-4 : Modeling projectile motion

Unit 25 : Polynomial Multiplication and Factoring

25-1 : Setting up a Factor Table

25-2 : Multiplying Polynomials using a Factor Table

25-3 : Factoring Trinomials with Positive Constants and Coefficients of One

25-4 : Factoring Trinomials with Negative Constants and Coefficients of One

25-5 : Factoring Trinomials with Positive Constants and Coefficients Other than One

25-6 : Factoring Trinomials with Negative Constants and Coefficients Other than One

25-7 : Factoring using Difference of Squares

25-8 : Factoring Quadratic Expressions

Unit 26 : Quadratic Equation Solving

26-1 : Solving Quadratic Equations

Unit 27 : Cubic Models

27-1 : Modeling volume of cylinders

27-2 : Modeling volume of closed prisms

27-3 : Modeling volume of open prisms

27-4 : Using given cubic models

Unit 28 : Linear, Quadratic, Exponential, Cubic, and Square Root Transformations

28-1 : Transforming using verbal statements, graphs, and equations

28-2 : Transforming using tables of values

Unit 29 : Polynomial Operations

29-1 : Adding polynomials

29-2 : Adding polynomials with higher orders

29-3 : Subtracting polynomials

29-4 : Multiplying Polynomials using a Factor Table

Unit 30 : Rational Expressions

30-1 : Simplifying rational expressions

30-2 : Multiplying and dividing rational expressions

30-3 : Adding and subtracting rational expressions

Unit 31 : Systems of Linear Equations Modeling C

31-1 : Modeling systems of linear equations