

Intermediate Algebra

Enhancements

- This year, the software has been updated to correspond with the release of the 6th edition of our Intermediate Algebra textbook.
- Instruct screens have been improved in over 50 lessons, and three new lessons have been added to the software.
- Over 170 new question types have been added. The new question types provide greater correlation with the exercises in the textbook.
- Additionally, some existing question types were split into separate questions in order to allow instructors greater control of the content that their students will see.

New Lessons

- **1.1: Prime Numbers, Exponents, and LCM**
This lesson is an excellent review of some of the key skills learned in introductory algebra.
- **8.6: Common Logarithms and Natural Logarithms**
Based on numerous instructor requests, logarithms prior to this section are shown with a base and common and natural logarithms are now grouped together.
- **A.1: Review of Fractions**
This lesson reviews multiplication, division, addition, and subtraction with fractions for students needing extra reinforcement.

New Questions

- **1.3d: Multiplication and Division with Real Numbers**
Added 3 question types for multiplication with integers.
Added 2 question types for multiplication with an integer and 1.
Added 2 question types for multiplication with 0.
Added 2 question types for division with integers.
Added 2 question types for division with 0.
Added 2 question types for multiplication with decimals.
Added 2 question types for division with decimals.

- **2.1b: Graphing Linear Equations by Plotting Points**
Added 2 question types with user-directed graphing.
Added 1 question type for matching a given equation to the correct graph among 4 choices.
- **2.2: Graphing Linear Equations in Slope-Intercept Form**
Added 2 question types for horizontal and vertical lines: 1 type is always vertical and 1 type is always horizontal.
- **2.3a: Graphing Linear Equations in Point-Slope Form**
Added 1 question type where the student determines if the lines given in a pair of equations are parallel, perpendicular, or neither.
- **2.3b: Finding the Equation of a Line**
Added 2 application problems related to linear equations.
Added 5 question types for finding the equations of lines that are parallel or perpendicular to a given line.
- **2.4: Introduction to Functions and Function Notation**
Added 2 question types for identifying ordered pairs on a graph, determining their domain and range, and identifying whether the relation is a function.
Added 4 question types for evaluating a function at a given value.
- **3.3: Solving Systems of Linear Equations with Three Variables**
Added 2 question types that are word problems with three variables.
- **3.4: Matrices and Gaussian Elimination**
Added 1 question type for forming the augmented matrix for a system of 2 equations.
- **4.2b: Adding and Subtracting Polynomials**
Added 1 question type for evaluating a function at a given value.
- **4.3b: The FOIL Method**
Added an application problem related to geometry.

New Questions (continued)

- **4.5b: Factoring by Grouping**
Added 2 question types of medium difficulty for factoring by grouping.
- **4.6a: Factoring Trinomials by Trial and Error**
Added 1 question type that is not factorable.
Separated 6 existing question types to give instructors greater determination of what content their students will see.
- **4.7b: Special Factorizations – Cubes**
Added 2 question types of medium difficulty for recognizing special factorizations.
- **4.8: Solving Equations by Factoring**
Separated 3 existing question types to give instructors greater determination of what content their students will see.
Added 1 question type for solving a simple equation by factoring.
Added 3 question types for writing a polynomial equation with given roots.
- **5.2: Addition and Subtraction with Rational Expressions**
Added 1 question type for addition with rational expressions where the answer can be factored and reduced after the operation is performed.
Separated 2 existing question types for addition and subtraction with rational expressions into 2 distinct question types each: 1 question type for denominators with perfect square trinomials and 1 question type for denominators that are not perfect square trinomials.
- **6.1a: Evaluating Radicals**
Added 2 question types for evaluating radicals: 1 type is a perfect square integer with a negative sign outside of the radical and 1 type is a simple perfect square radicand involving a variable.
- **6.3c: Rationalizing Denominators**
Added 7 question types of varying difficulty for rationalizing the denominator.
- **6.5: Functions with Radicals**
Separated an existing question type into even roots and odd roots.
- **6.7: Multiplication and Division with Complex Numbers**
Separated an existing question type into 7 distinct question types to give instructors greater determination of what content their students will see.
- **7.1b: Quadratic Equations: Completing the Square**
Separated an existing question type for solving a quadratic equation by completing the square into 2 distinct question types: 1 type for integer answers and 1 type for non-integer answers.
- **9.3: Distance Formula and Circles**
Added 2 question types for finding the equation of a circle at the origin: 1 type has an integer radius and 1 type has a non-integer radius.

General Changes

- Added new product specific icons that utilize the company logo.
- Improved Edit Course ID Window to assist user in entering the correct course ID:
 - Replaced “Course ID” with “Hawkes Course ID” in all places to help distinguish from a school’s course id.
 - Added a link “Find my Hawkes Course ID” that takes the user to our webpage where they can look up their course ID by school.
 - Added custom check and message for each of the following common issues: i) user is not connected to the internet, ii) user has entered a license number, iii) user has entered an access code.
 - Added a Help link that opens the pdf HLS Internet Access for additional guidance.
 - Added on screen message indicating Hawkes Course ID will not contain numbers or spaces
 - Added a check box option for “Always Work Offline”
- Statistics ONLY: Added “Never Ask Again” check box option to warning that client Table of Contents does not match server Table of Contents.
- Hot words windows are now movable.
- Added title bar with close button to how word windows.
- “Product Tour” renamed “Video Tour” to be clearer.
- Added keyboard short cuts:
 -) enters () in text box (This is in addition to existing keyboard short cut of (.)
 -] enters [] in text box (This is in addition to existing keyboard shortcut of [.]
 - } enters {} in text box (This is in addition to existing keyboard short cut of {.)
 - Ctrl+(enters (] in text box
 - Ctrl+) enters]) in text box
 - Ctrl+[enters [) in text box
 - Ctrl+] enters]) in text box
- Online grade book link compatible with browsers other than Internet Explorer.
- Statistics ONLY – If change Table of contents, Table of Contents name updates in courseware title and title bar of Instructor menu without having to exit and reenter software.
- Introductory and Intermediate Algebra student courseware link and Online Grade link no longer touch at resolution 1600 x 900 on Instructor menu.
- Statistics Only – Added warning if client table of contents and server table of contents do not match when click on Lesson Editor and WebTest links on Instructor menu.

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Intermediate Algebra 5th Edition to 6th Edition**

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Table of Contents Mapping for Intermediate Algebra 6th Edition to 5th Edition

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