

Math and Science Notation Tool – WebEQ Equation Editor

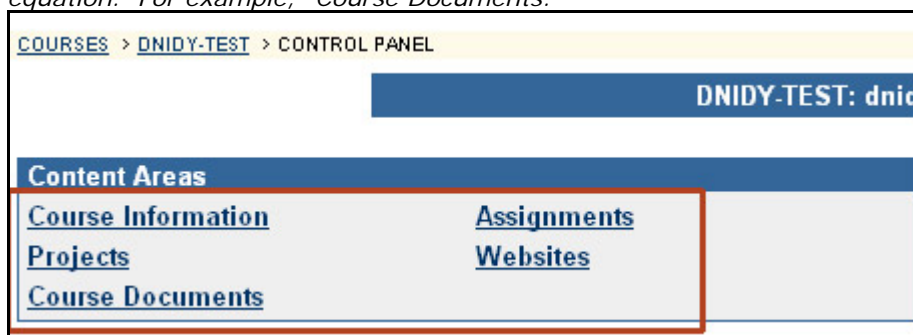
Overview

The Math and Science Notation Tool (WebEQ™ Equation Editor) is a general purpose equation editor designed for working with equations. It enables users to use mathematical and scientific notation throughout the *Blackboard Learning System*. Users have the ability to add equations, edit existing equations and move equations within the Math and Science Notation Tool. All of the Equation Editor symbols are based on MathML, a markup language for math on the Web, which is a subset of XML.

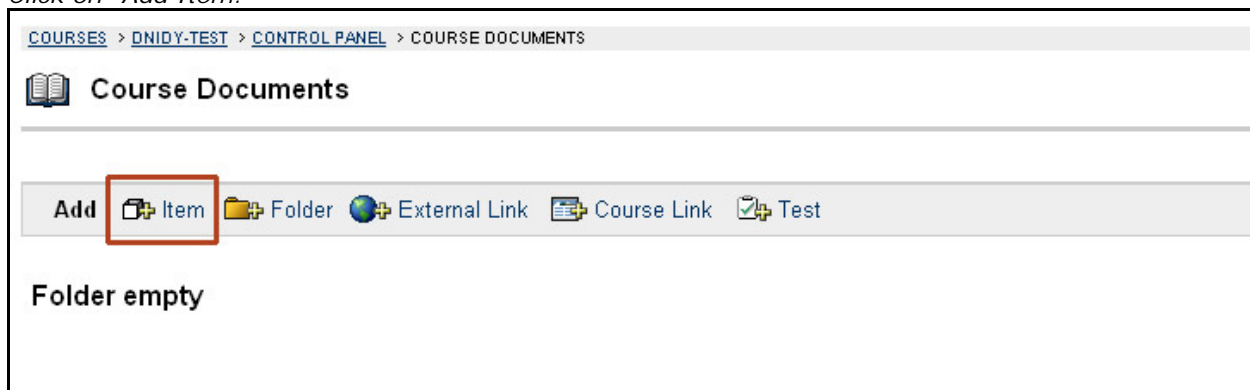
Adding Equations to a Content Item

Blackboard allows the addition of mathematical equations to items contained in any of the “Content Areas.”

Go to the control panel, then click on the Content Area to which you would like to add an equation. For example, “Course Documents.”



Click on “Add Item.”



Under "Content Information" find the WebEQ icon.

1 Content Information

Name
 or enter name

Choose Color of Name

Text

Normal 3 Times New Roman **B** *I* U [List icons]

[Image icons] << >> <html> Preview ?

Here is a document that explains the new features in 6.1 version of Blackboard.

[cereal.gif](#)

[copypaper.gif](#)

A new window will appear. Name your equation, then use the buttons to create the equation.

WebEQ Equation Editor

Edit Equation:

Equation Name:

Font size: Adjust width: Adjust height:

[Math symbols: √, ∫, ∂, ∞, etc.]

Powered by **WebEQ™**

Adding Equations to a Test or Survey

Note: Instructors may include Essay questions on Assessments that use the Math and Science Notation Tool. Students can access the Math and Science Notation Tool to complete the question and the Instructor can view all of Students' work.

- Click on "control panel."
- Click on either "test manager" or "survey manager." (A test is graded and the grade is recorded by student. Surveys are upgraded and anonymous.)
- Click on "add test" (or "add survey").
- Give the test a name, and optionally add instructions and a description.
- Choose a question type for your first question (i.e. Multiple Choice.)

By default, the equation editor is hidden. Click on the arrow below the toolbar to expand for more options.

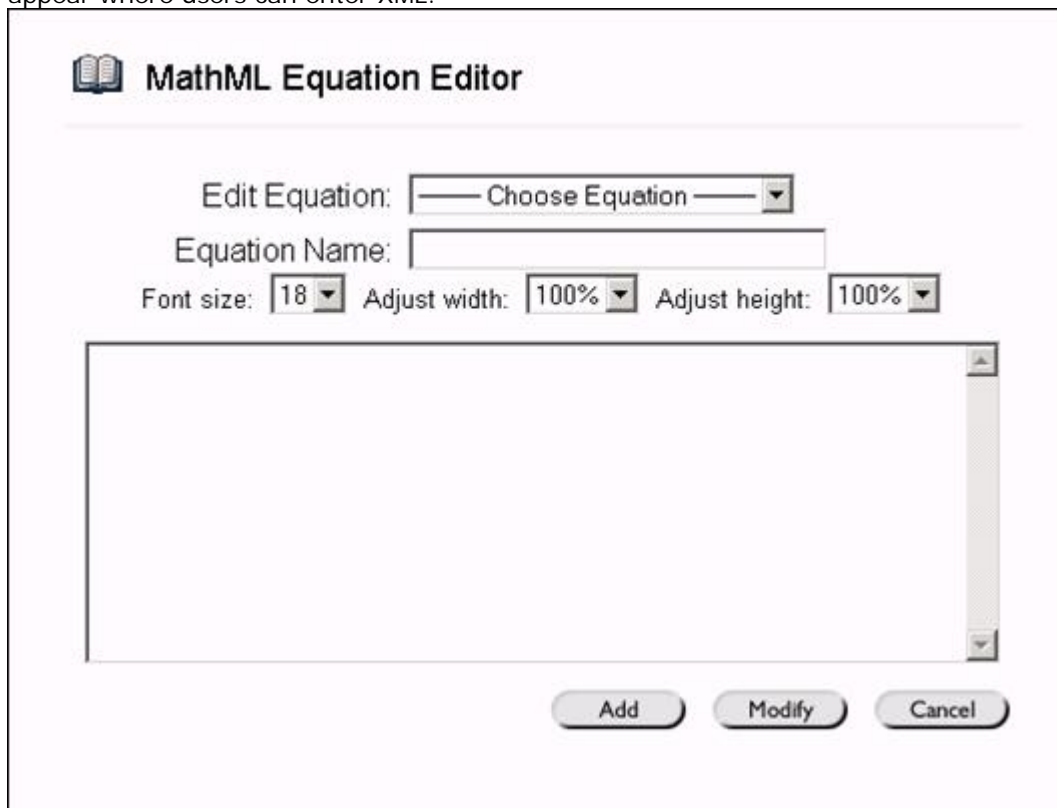
The screenshot shows the 'Add/Modify Multiple Choice Question' interface. The breadcrumb trail is 'COURSES > DNIDY-TEST > CONTROL PANEL > TEST MANAGER > ADD/MODIFY MULTIPLE CHOICE QUESTION'. The title is 'Add/Modify Multiple Choice Question'. Below the title, it says 'Add the question text, then set the point value and the number of answers. Add the answer choices, indicate the correct answer'. The main section is titled '1 Multiple Choice Question'. Underneath, there is a 'Question Text' field with a red asterisk. To the right of the text field is a toolbar with options for 'Normal', '3', and 'Times New Roman', along with bold, italic, and underline buttons. A red box highlights a small downward-pointing arrow on the left side of the toolbar, indicating that it can be expanded.

After the second toolbar is expanded, click on the WebEq icon to insert your equation.

The screenshot shows the same 'Add/Modify Multiple Choice Question' interface. The breadcrumb trail and title are the same. The 'Question Text' field is still present. The second toolbar is now expanded, showing various icons for text editing, alignment, and insertion. A red box highlights the 'WebEq' icon, which is represented by a square root symbol over an 'x' (\sqrt{x}), indicating that it is the icon used to insert an equation.

MathML Equation Editor

The MathML Equation Editor functions in the same way at the Math and Science Notation Tool. Instead of opening with the symbol buttons, a blank text box will appear where users can enter XML.



The screenshot shows the MathML Equation Editor interface. At the top left, there is a book icon followed by the title "MathML Equation Editor". Below the title, there is a section for editing an equation. It includes a dropdown menu labeled "Edit Equation:" with the text "Choose Equation" and a downward arrow. Below that is a text input field labeled "Equation Name:". Underneath the text input field are three dropdown menus: "Font size:" set to "18", "Adjust width:" set to "100%", and "Adjust height:" set to "100%". Below these settings is a large, empty text area for entering XML code, with a vertical scrollbar on the right side. At the bottom right of the interface, there are three buttons: "Add", "Modify", and "Cancel".