

## New Features

# SMART Notebook™ Math Tools Software

SMART Notebook™ Math Tools provides you with the features of SMART Notebook software so you can create and deliver engaging, interactive learning experiences across grades, subjects and learning styles. SMART Notebook Math Tools also includes the following mathematical tools.

## Features at a Glance

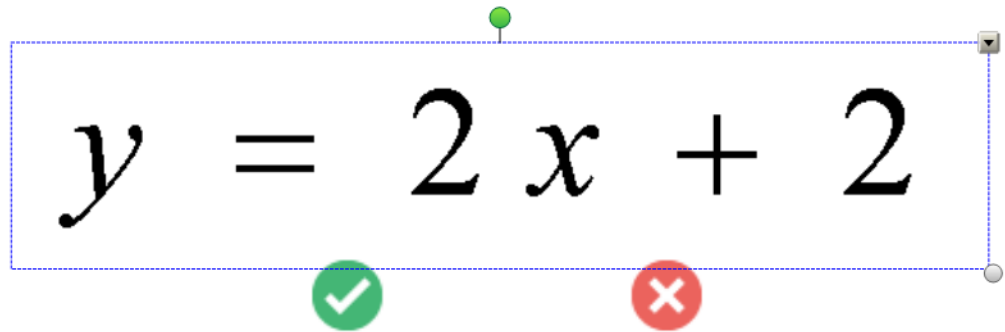
- Equations
  - Handwriting Recognition for Mathematical Symbols (page 2)
  - Equation Solving (page 2)
  - Equation Editing (page 2)
- Advanced Shape Creation and Manipulation Tools
  - Regular Polygon Tool (page 3)
  - Irregular Polygon Tool (page 3)
  - Advanced Shape Manipulation (page 3)
  - Shape Division (page 4)
- Graphs
  - Dynamic Graphing (page 4)
  - Custom Graph Builder (page 5)
- Launch Texas Instruments™ Emulators (page 6)

The SMART Notebook Math Tools beta included additional measurement tools. However, those features are now part of SMART Notebook software and are available to SMART Notebook users with or without SMART Notebook Math Tools.

## Equations

### Handwriting Recognition for Mathematical Symbols

Write equations on the page using pen tray pens (on interactive whiteboards) or a tethered pen and pen tool buttons (on interactive pen displays). SMART Notebook Math Tools recognizes many numbers, letters, symbols, operators and functions and replaces your written equation with typed, editable text.



The image shows a handwritten equation  $y = 2x + 2$  enclosed in a dashed blue rectangular box. A green dot is positioned above the second '2'. Below the equation, there is a green circle with a white checkmark under the first '2' and a red circle with a white 'X' under the '+' sign. The box has a small grey square handle in the top right corner and a grey circle handle in the bottom right corner.

### Equation Solving

After SMART Notebook Math Tools recognizes your mathematical symbols, you can instruct SMART Notebook Math Tools to solve the equation and display a mathematical, symbolic or graphical solution.

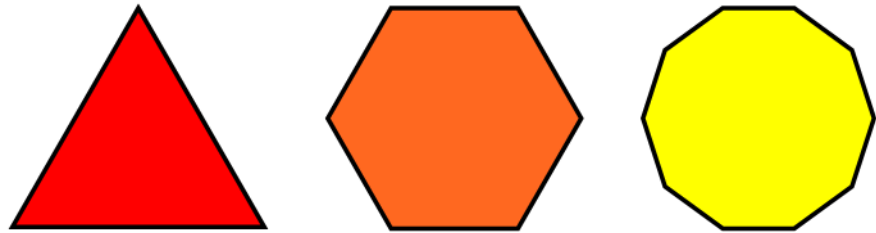
### Equation Editing

Insert and edit equations on the .notebook page.

## Advanced Shape Creation and Manipulation Tools

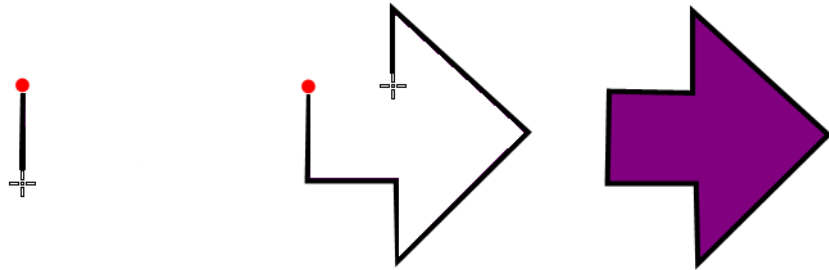
### Regular Polygon Tool

Insert regular polygons with 3 to 15 sides, and customize their color, size and line style using the Properties tab.



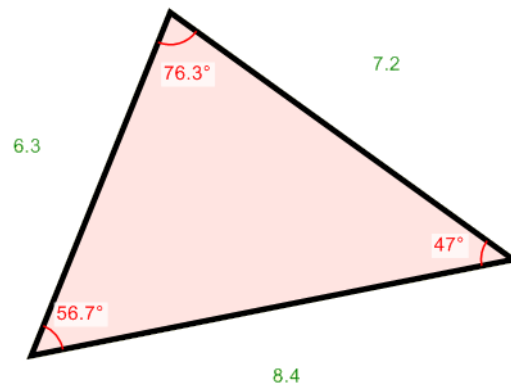
### Irregular Polygon Tool

Insert irregular polygons by creating points on a .notebook page.



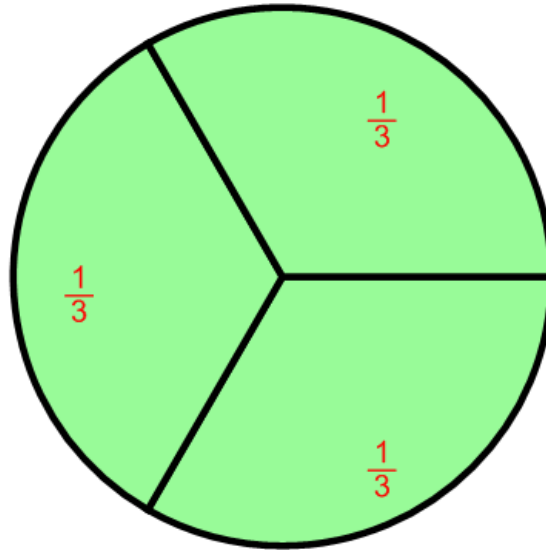
### Advanced Shape Manipulation

Manipulate a shape by selecting and editing its vertices. Display its interior angles and side lengths and watch these values update automatically as you edit the shape. Edit the side length values and allow SMART Notebook Math Tools to automatically calculate the side lengths of the shape's other sides.



## Shape Division

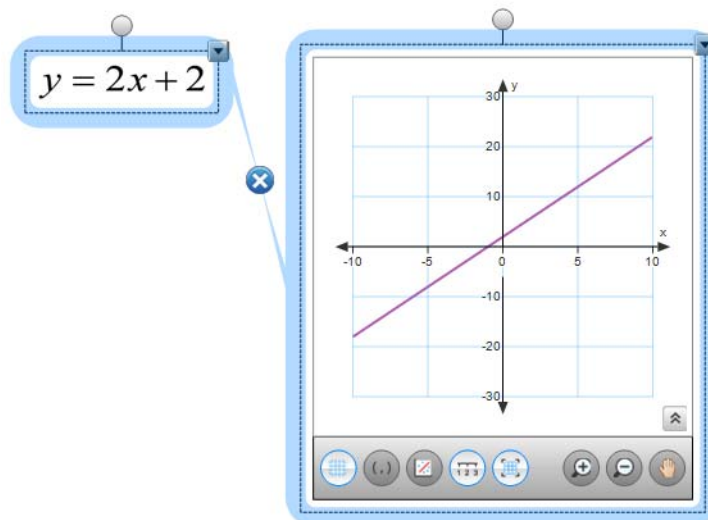
Divide a circle, square or rectangle into separate pieces of equal area. Edit and manipulate these pieces as individual objects.



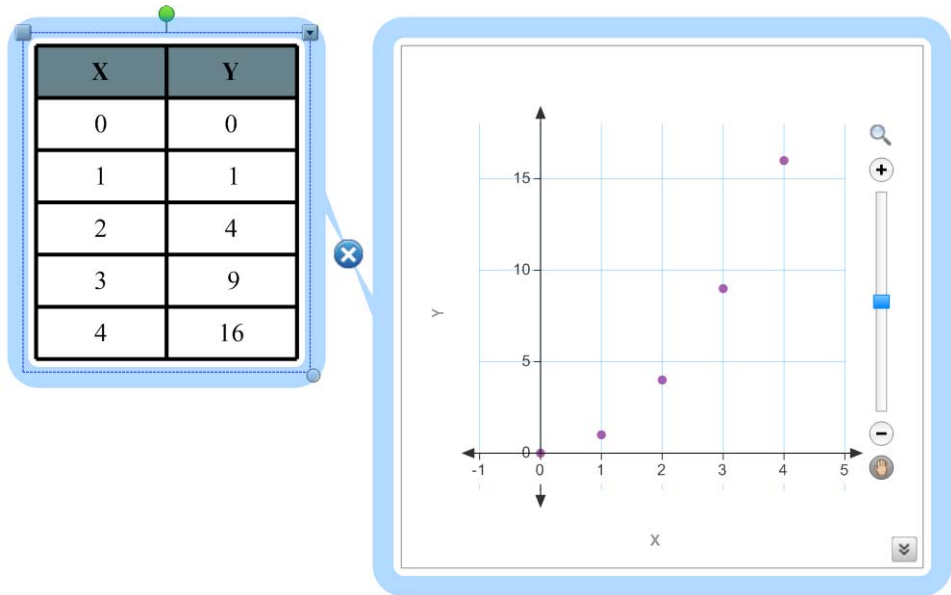
## Graphs

### Dynamic Graphing

Create graphs from equations. If you edit the equation, the graph updates automatically.

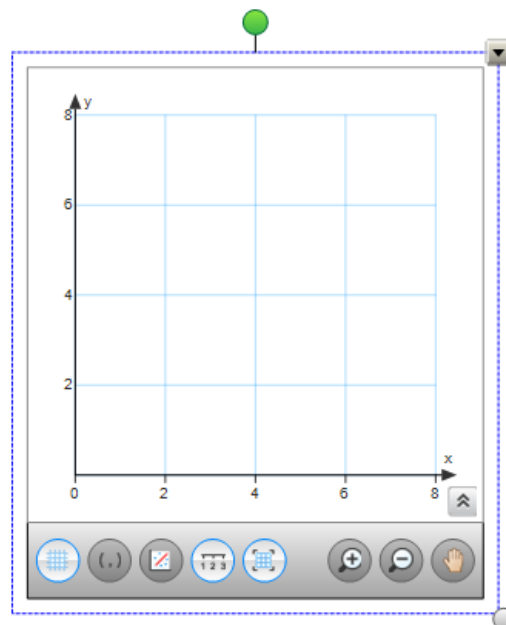


Create graphs from a table of values. Add values to the table or add points to the graph. If you edit the table, the graph updates automatically and vice versa.



### Custom Graph Builder

Insert a Cartesian graph, quadrant graph or number line into a page. You can customize the title, size, position and grid lines of the graphs and edit the start point, end point, labels and grid lines of its axes.



## Launch Texas Instruments Emulators

Launch and operate TI-Nspire™, TI-SmartView™ 84 and TI-SmartView 73 software from within SMART Notebook.

 **NOTE**

The Texas Instruments emulator isn't included with SMART Notebook Math Tools and this feature works only if Texas Instruments software is already installed and licensed on your computer.