

New Features in TI-Navigator™ 3.0

Overview

This tour details the following categories of new features in TI-Navigator 3.0

- Activity Center
- Assessment
- Just for the TI-73
- General Improvements

For more information on these features, review their specific software tour.

1. Activity Center

a. Form Activity

This new activity, similar to lists allows for students to submit data to the activity center. With the form activity the students are given prompts to enter their data (such as DIAMETER and CIRCUMFERENCE). It also gives control over how many data sets the students can send in.

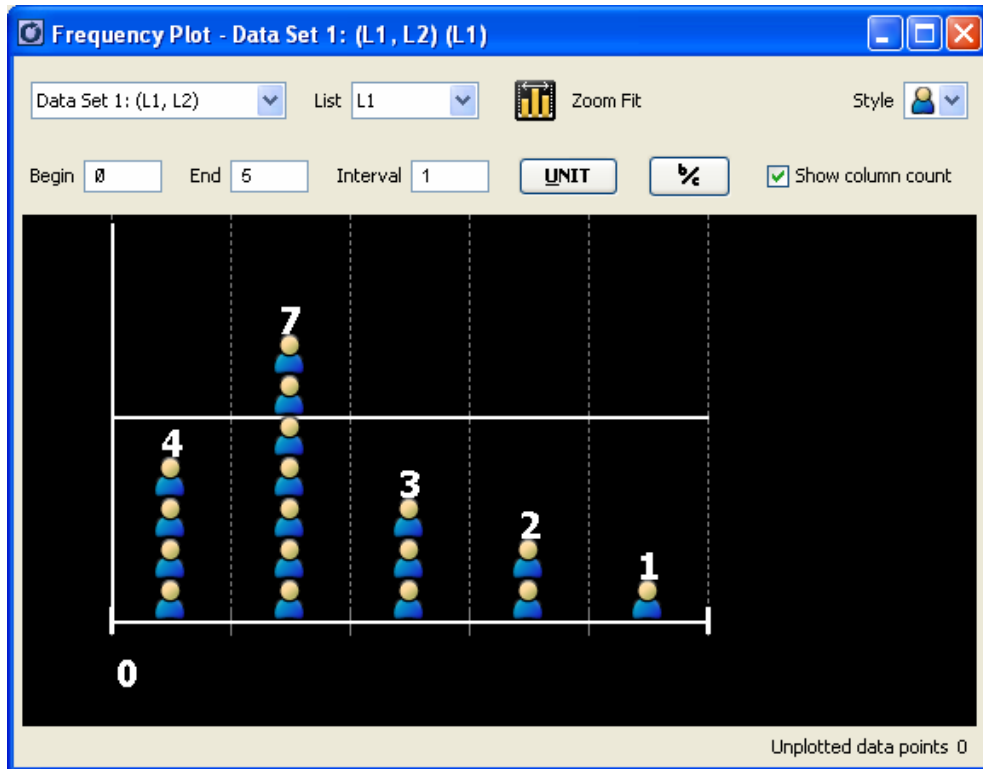
Controls how many data sets each student will contribute

Determine labels for up to 4 lists that will be generated

PAGE 1 OF 5	
FOOT SIZE CM:	21
HEIGHT CM:	102
WEIGHT LBS:	
= 180	
(NEXT)	

b. Histogram

The histogram represents the data in one list. There can be several histogram windows open at the same time, each one representing a different list or the same list with different parameters.



c. Fractions in Lists and Equations

[UNIT] and [b/c] button have the same behavior as the **UNIT** and **b/c** keys on the TI-73. **UNIT** is inserted between the unit and fraction. **b/c** is inserted between the numerator and denominator.

The number $5 \frac{1}{2}$ is typed in as: [5] [UNIT] [1] [b/c] [2].

Short cut keys are: F3 [UNIT] and F4 [b/c]

When editing Lists, the user can enter a mixed fraction with spaces and regular keyboard slash. For example, $5 \frac{1}{2}$ can be entered as [5][space][1][slash][4].

Data Set 1: (L1, L2)		
Add	L1	L2
[UNIT]		1 3/8
[b/c]		
Display Name	L1	L2
Teacher		1 3/4

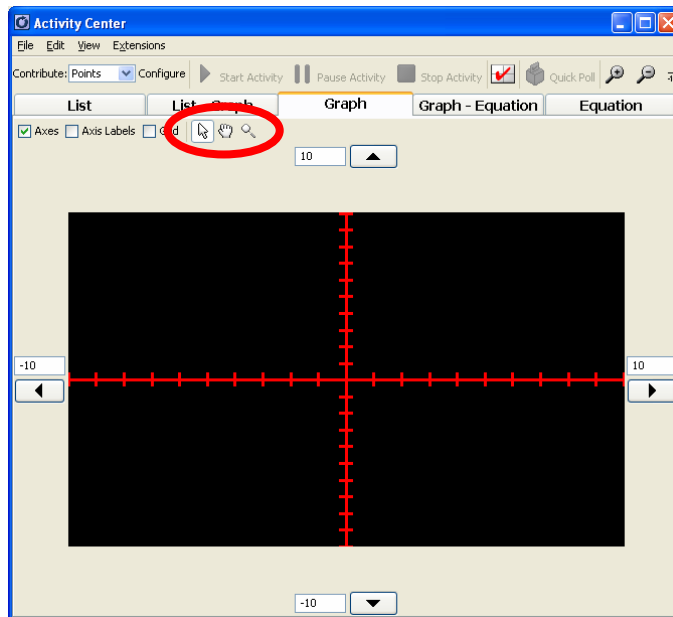
Equation		
Y=		Add
	[UNIT]	[b/c]
Displ...	Name	Equation

- d. Selection, Pan and Zoom Tool allow for easy manipulation of the graph screen.

Selection Tool: Use this tool to highlight points and equations.

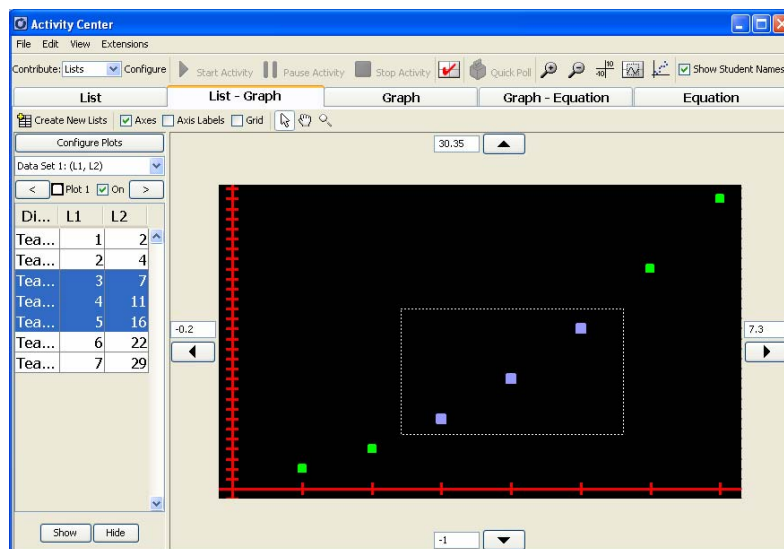
Pan Tool: Click and hold on the graph and then move the mouse.

Zoom Tool: Click and hold on graph. When the mouse moves up the graph will zoom in and when the mouse moves down the graph zooms out. To change only the X or only the Y axis, hold the **Control Key** while moving the mouse horizontally or vertically.



- e. Marquee select

Use the mouse to multi click and marquee select (draw a box around) points on the graph to select them to highlight, hide, or delete.



f. Cursor enhancements – Determining Step Size and Starting Point

Starting Point: Allows to the student to being at a fixed location, like (0,0) or (2,3)

Step Size: If the X and Y scales are vastly different, the activity can be set up to have a different step size in each direction.

The screenshot shows the 'Configure Calculators for Activity' dialog box. The 'Contribute Points' section is expanded, showing the following settings:

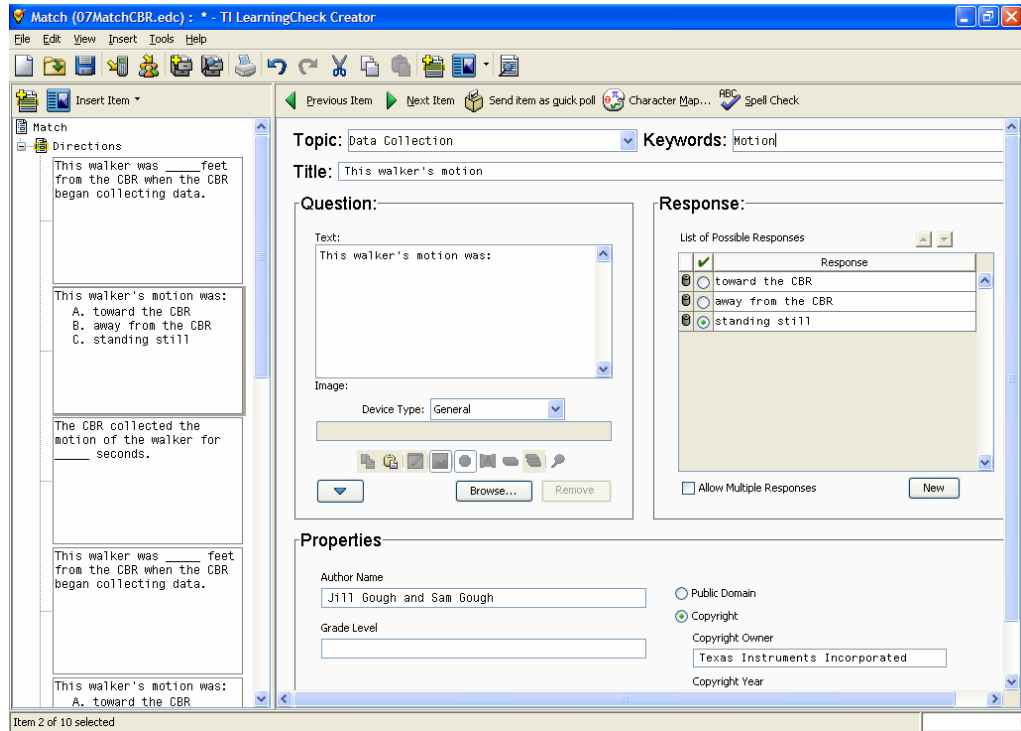
- Main Settings:**
 - Number of points per student: 1
 - X List: X
 - Y List: Y
 - Display coordinates
 - Let students resubmit points
 - Send current graph contents as background
- Step size:** (This section is highlighted with a red box)
 - Same step size for X and Y (1.0)
 - (1.0, 1.0) (X, Y)
- Starting Point:** (This section is also highlighted with a red box)
 - Center of screen
 - (0.0, 0.0) (X, Y)
- Students submit points:**
 - All at once
 - One at a time

Buttons: OK, Cancel

2. Assessment

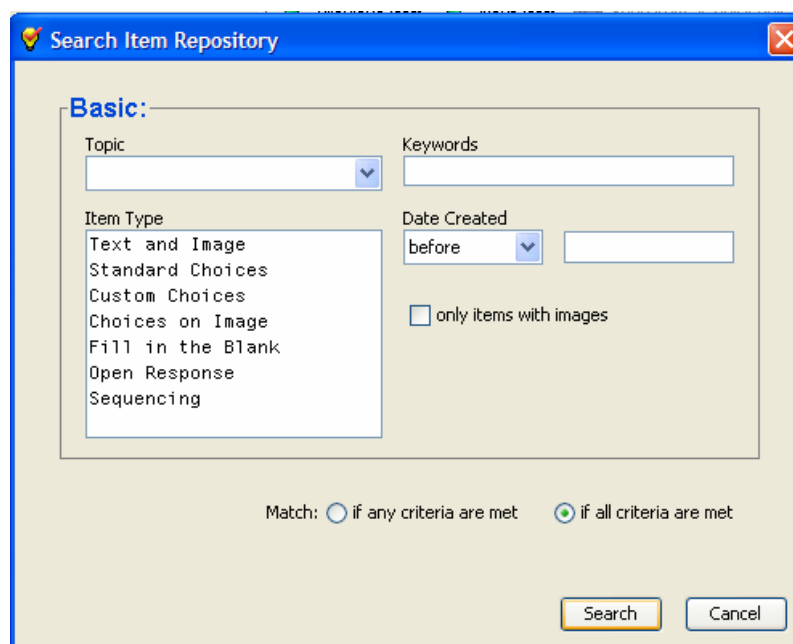
a. New UI for LearningCheck

Easily enter items, along with their keywords and topic. Easy to view what items are in the assignment.

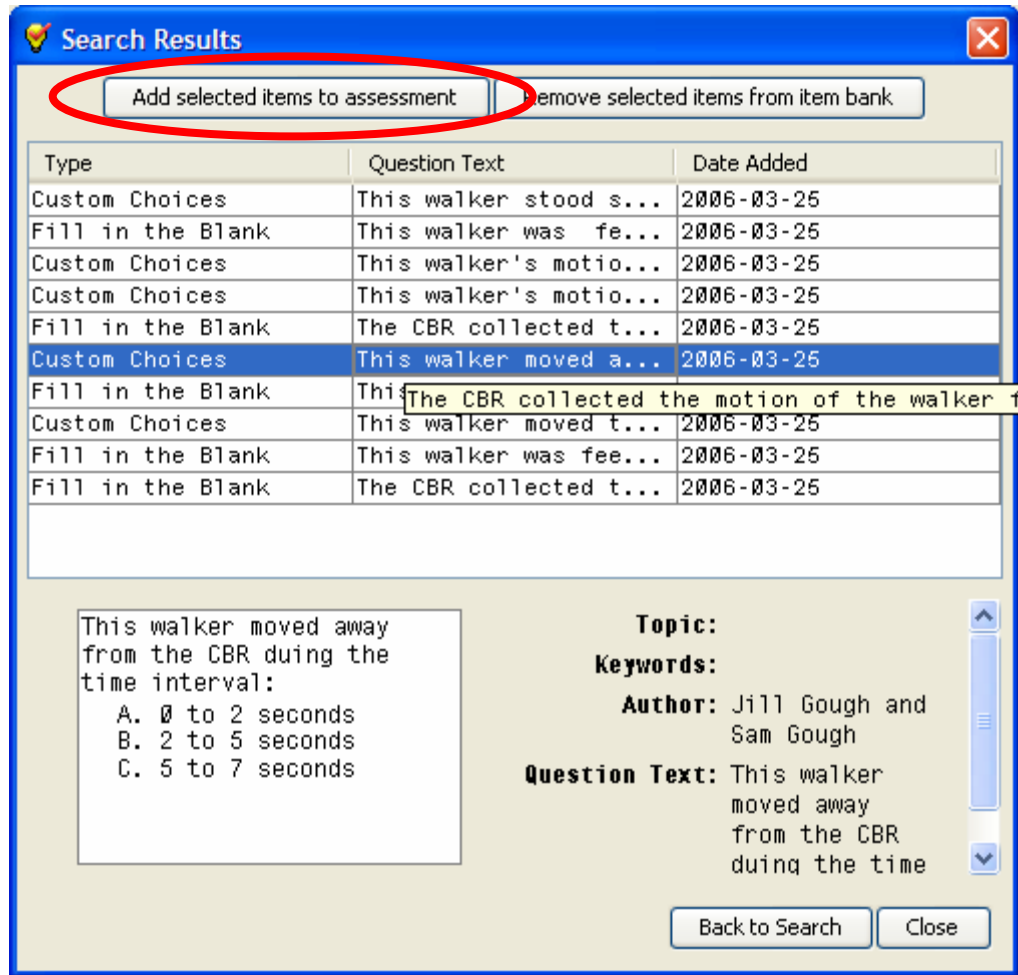


b. Item Bank in LearningCheck

All items that have been saved to the item bank are available for the teacher to search. This allows for easy assignment creation.

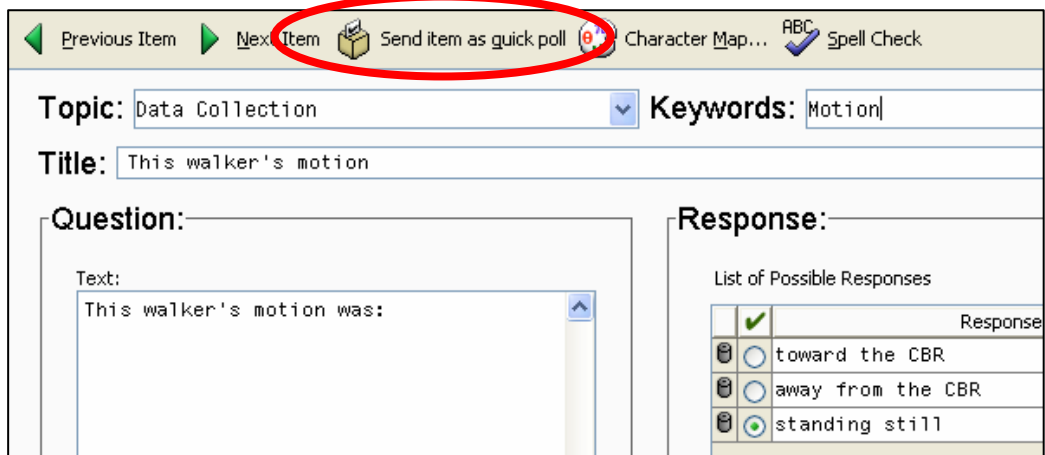


Select items to be added to the assignment.



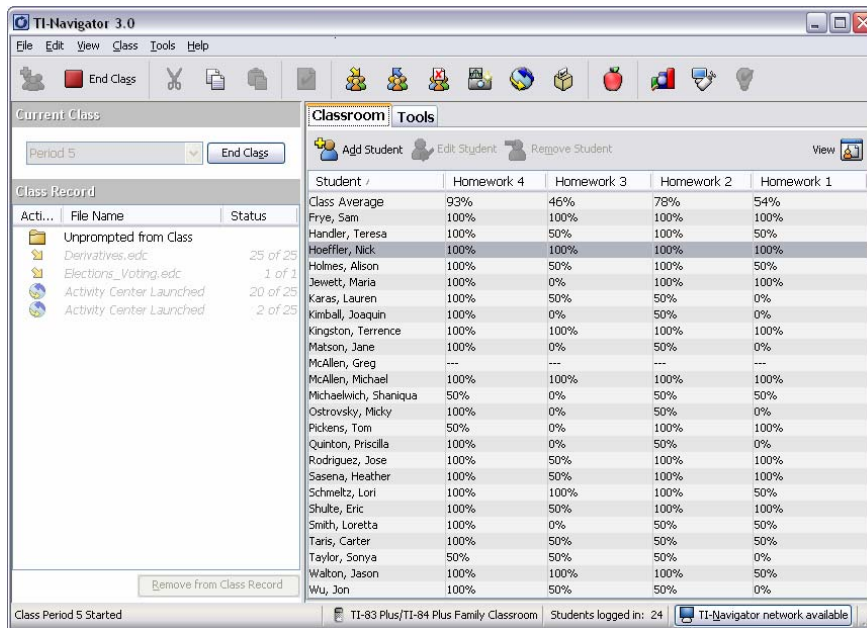
c. Sending LC item as Quick Poll

Items in LearningCheck can be easily sent to students as a quick poll. This allows for pre-created materials to be used quickly in class.



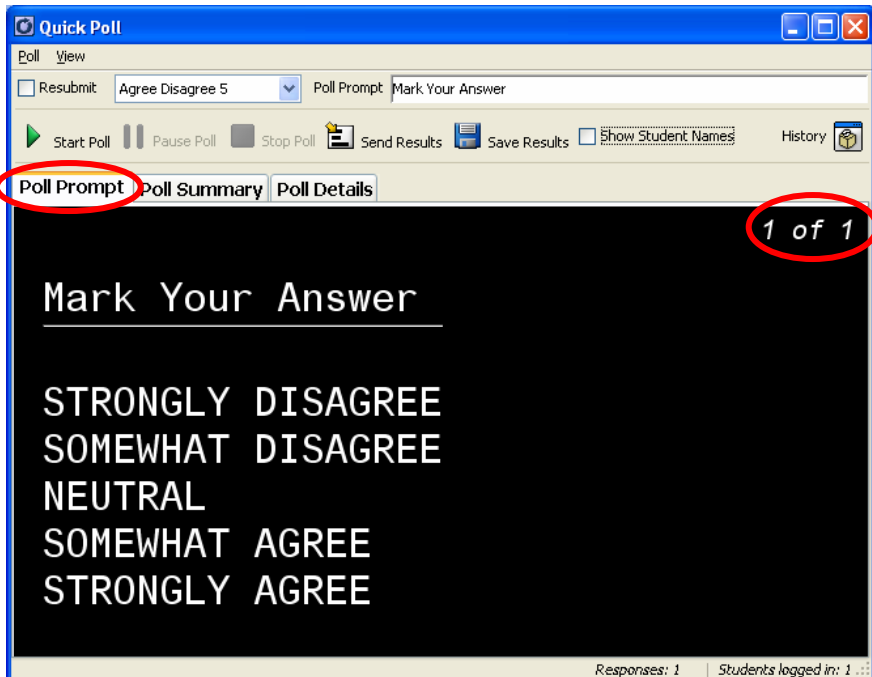
d. Student Portfolio

View student work over time. View, at a glance, the past assessments and screen captures of the class.



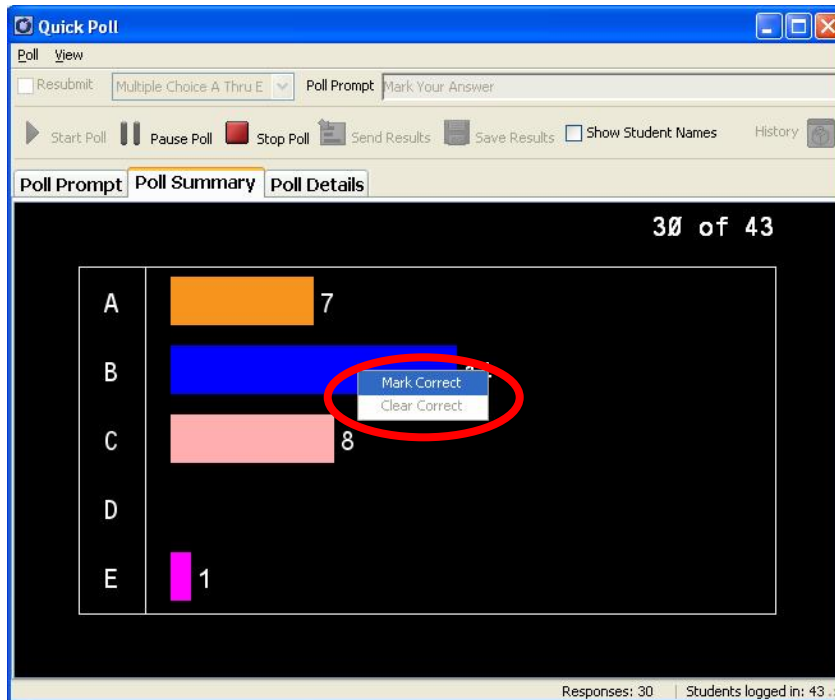
e. Poll Prompt in Quick Poll

The Poll Prompt tab shows the question and enables you to hide the results as they come in. In addition there will be a count of total students that have responded versus those logged in (or sent poll).



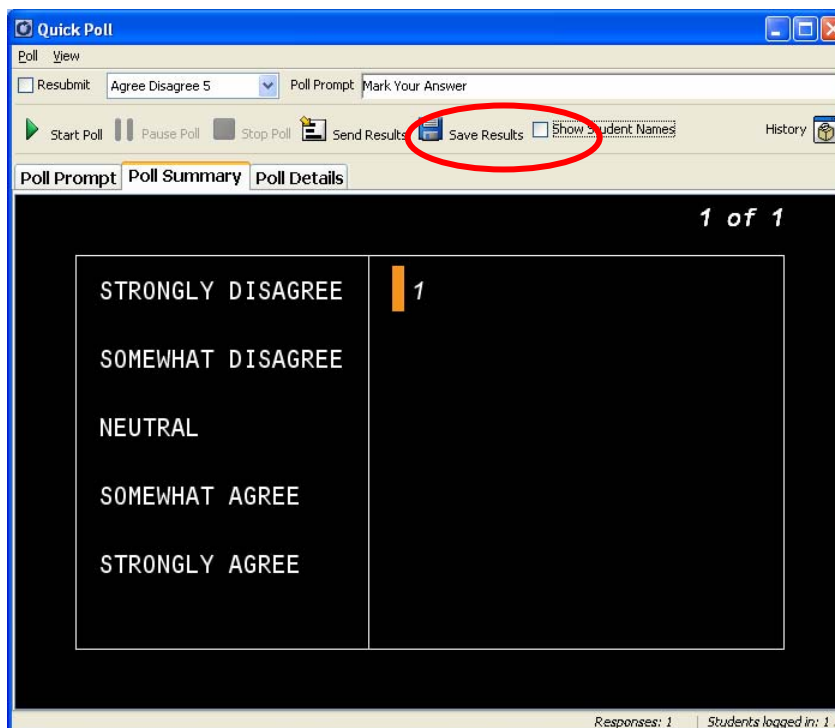
f. Marking Correct Answer in Quick Poll

Right Click on a bar or row (in Poll Details) to have the option to make this response the correct response for the class or remove it as the correct response. The correct answer will be denoted by a green bar.



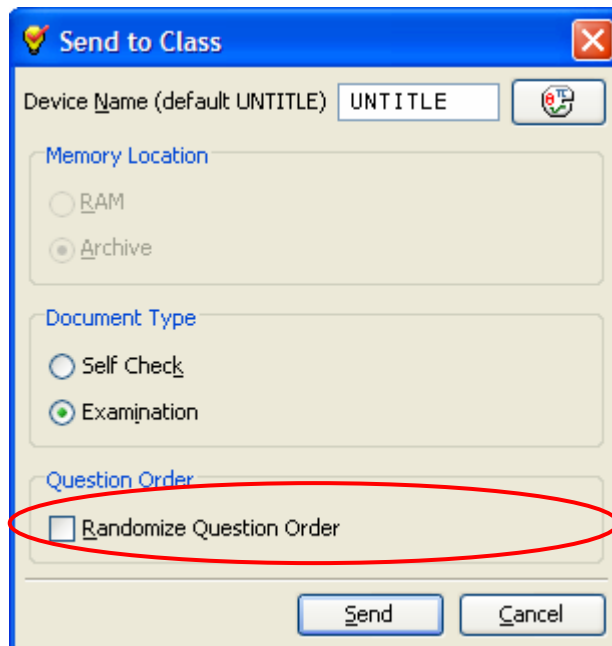
g. Saving Quick Poll Results

Poll results can be saved as a .caf file to be used in Class Analysis. All of the polls that were done during the session are saved.



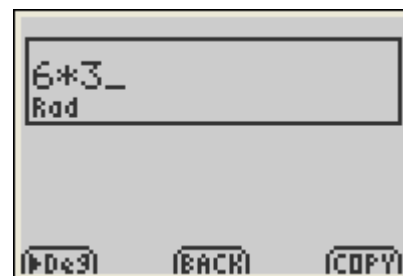
h. Randomizing Questions

Choosing randomizing questions, will give each student in the class the assignment with the questions in a different order.



i. Built-in calculator in LearningCheck App

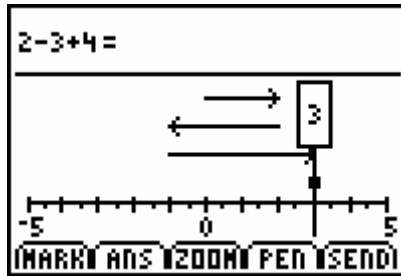
Students can use a built-in calculator in LC to assist in solving items. For Fill-in the Blank and Open Response items, the calculator can paste the answer into their response field.



3. Just for the TI-73

a. NumberLine

A new activity for the TI-73 is NumberLine. This allows students to solve problems via a Number Line. The teacher can review all student work and highlight individual inputs for discussion.



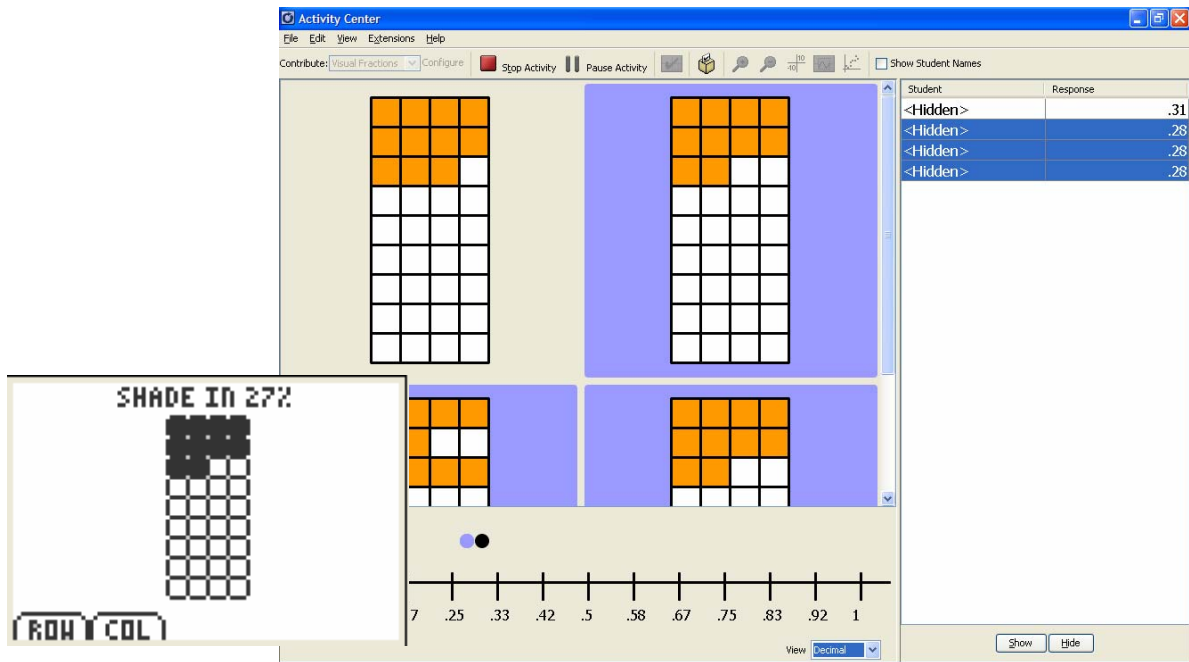
The screenshot shows the TI-Navigator Activity Center software interface. The main window displays a number line from -5 to 5 with a vertical red line at 3. A box with the number 3 is positioned above the red line. Below the number line, there are three horizontal bars with arrows indicating the calculation steps: a blue bar with a right-pointing arrow from 0 to 3, a white bar with a left-pointing arrow from 3 to 0, and a blue bar with a right-pointing arrow from 0 to 3. The interface includes a menu bar (File, Edit, View, Extensions, Help), a toolbar with various icons, and a table on the right side.

Student	Vectors/P...	Answer
<Hidde...	0+2-3+4	3
<Hidde...	2-3+4	3
<Hidde...	2-3	
<Hidde...	0+2-3+4	3

At the bottom of the interface, there are controls for units (UNIT), fractions (b/c), step size (Step $\frac{1}{2}$), tick marks (Tics $\frac{1}{2}$), and a "Show guide" checkbox. There are also "Show" and "Hide" buttons at the bottom right.

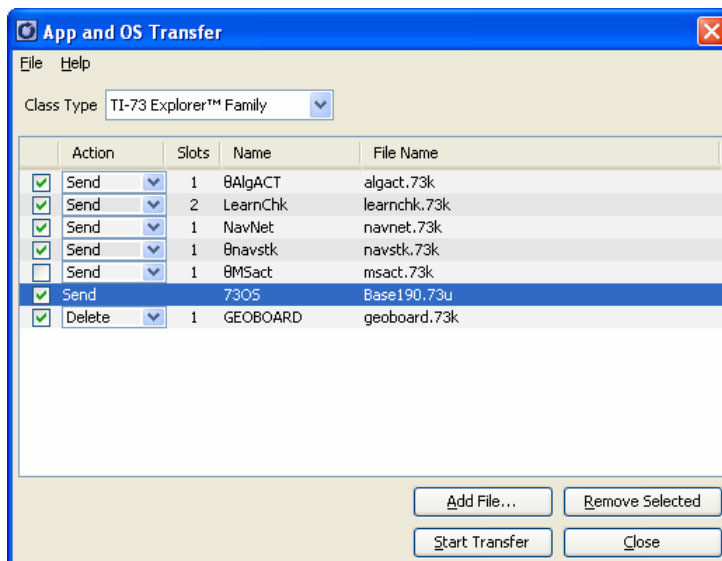
b. Visual Fractions

The activity allows for the student to estimate a given area. The teacher can view the various student results and view the different ways to solve a problem.



c. App and OS Transfer

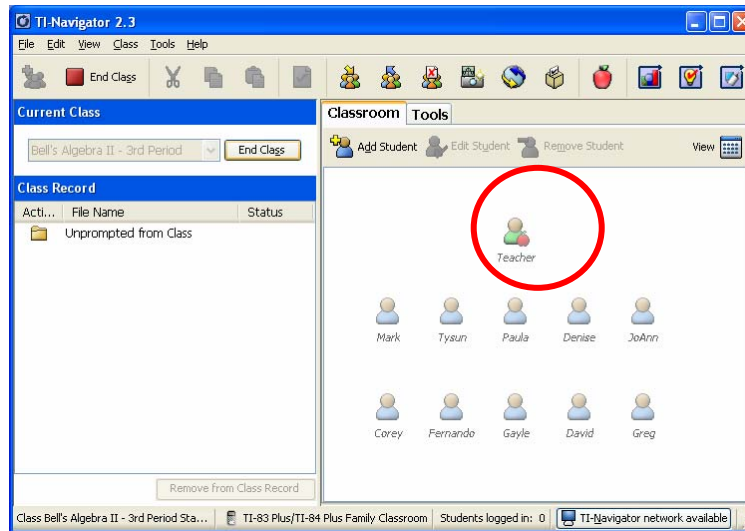
To aid in the OS upgrade required for the TI-73, the teacher can select the TI-73 OS to be sent to the student devices. In addition the teacher can select apps to be deleted from the device.



4. General Improvements

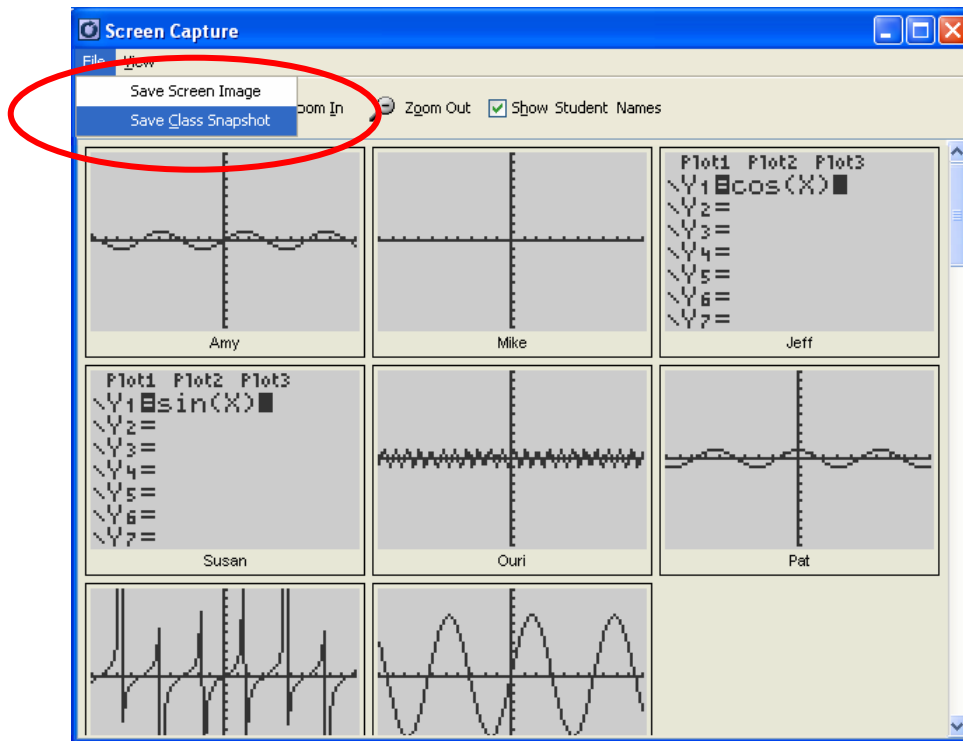
a. Teacher Added to Roster

The teacher is now added to the general roster. They can participate in file transfer and screen capture just like any student.



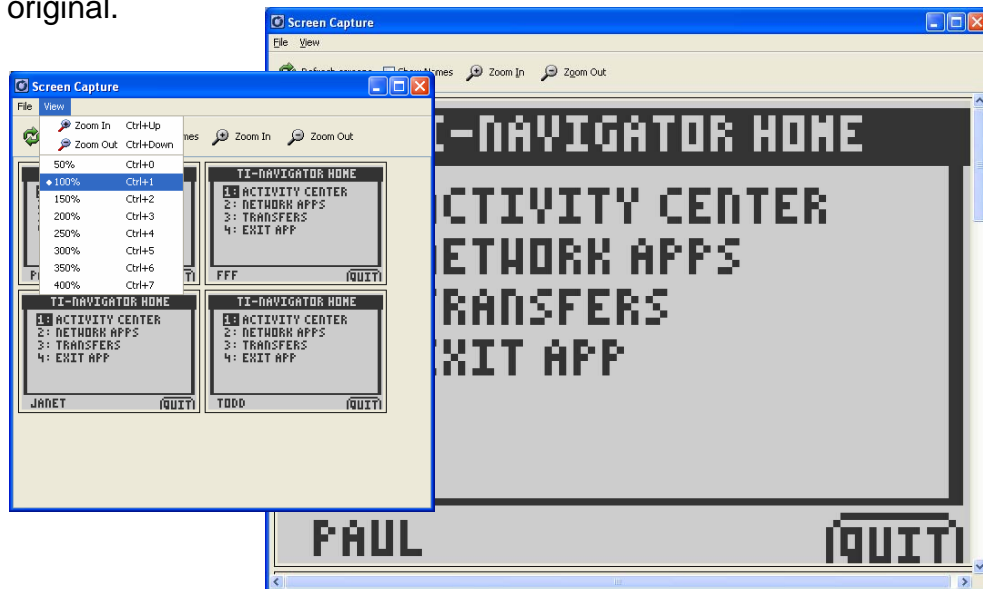
b. Save Class ScreenShots

Saving Screen Captures of the entire class allows for record keeping of class activities. If "Show Students Names" is selected the student names will be reordered as well.

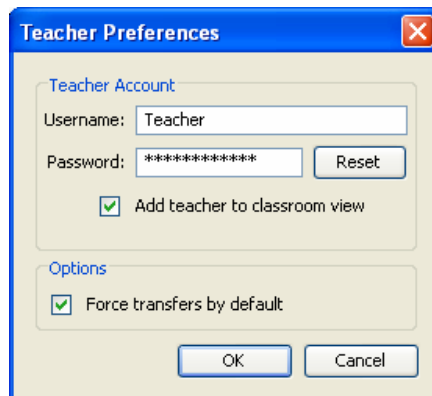


c. Zoom and Rearrange Screen Shots

Selecting a screen shot it can be dragged to a new location on the screen. In addition, the screens can be resized from 50% to 500% of original.



- d. **File Transfer Preferences: Forced and Logged In students**
 The teacher has the option to have transfers to the students be forced or not-forced by default.



There is an option in transfer dialog boxes where the teacher can choose to transfer to and from those that are logged in only.

