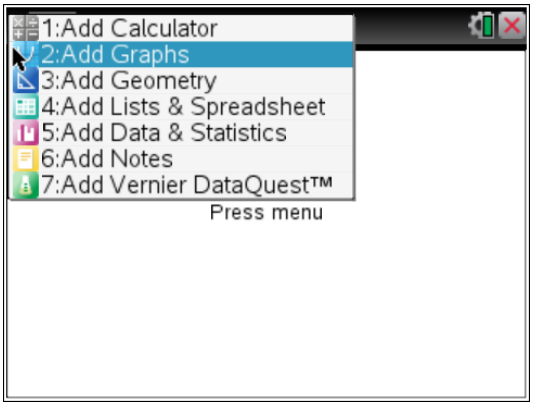
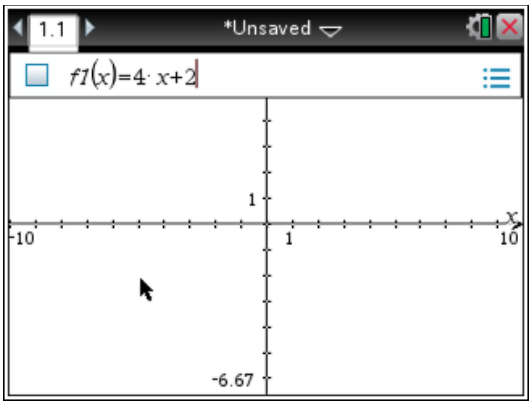
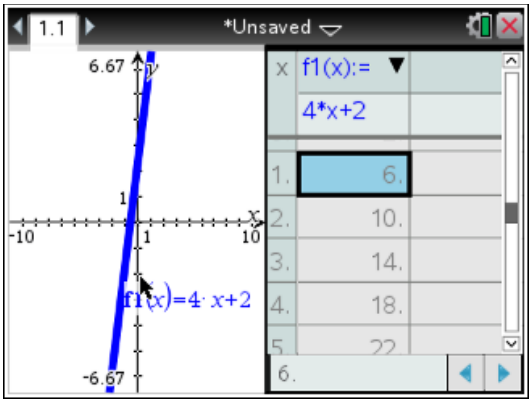
Graphing a Line

Tutorial Overview

In this tutorial, you will learn how to graph a line using the TI-Nspire™ CX.

Actions	Screens
Step 1: Press [on], and select **New Document** to open a new document. **Step 2**: Choose **Add Graphs**	
Step 3: The cursor will be in the entry line to the right of **f1(x)=** If the linear equation you want to graph is in f(x) form or y= form, you can type it in here. If it is in standard form or it is a vertical line, see Step 7 or Step 9 respectively.	
Step 4: To insert a table to your graph screen, press [ctrl] [T]. The table will be inserted to the right of the graph. **Note**: The dark rectangle around the table indicates that the application is active. To move from the table to the graph and back, press [ctrl] [tab].	

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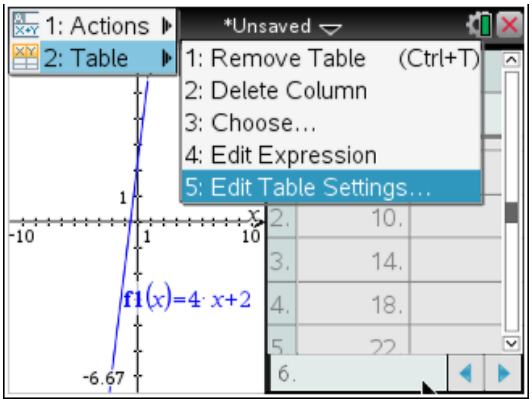
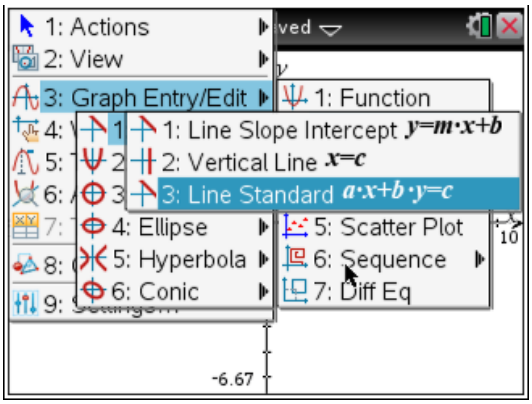
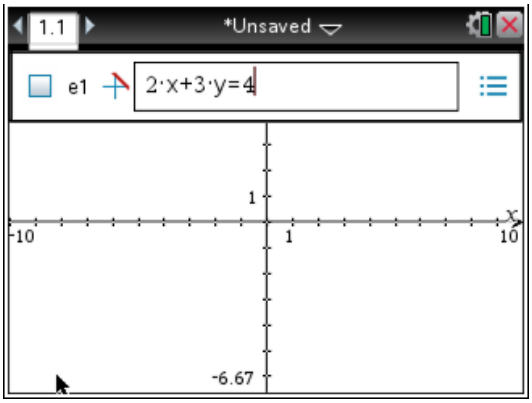
Step 5: To change the table settings, press menu, and select **2: Table, 5: Edit Table Settings**.	
Step 6: To return to the Graphs page full screen layout, first be sure that the focus is on the side of the screen where the graph is displayed (there is a bold outline around that side of the screen). Press ctrl T and table will disappear.	
Step 7: To graph a line in standard form, follow steps 1 & 2 and continue to step 8.	
Step 8: Press menu, **3: Graph Entry/Edit, 2: Equation, 1: Line, 3: Line Standard** ***a•x+b•y=c***. The template for standard form of a line will appear in the entry line. Be sure to include the sign (if it is negative) with the values of **a**, **b**,or **c**. For example, to graph the line 2x-3y=4, be sure to include a negative sign in front of the 3. You can tab from box to box on the template. **Step 9**: To graph a vertical line, repeat steps 1 & 2 and continue to step 10.	 

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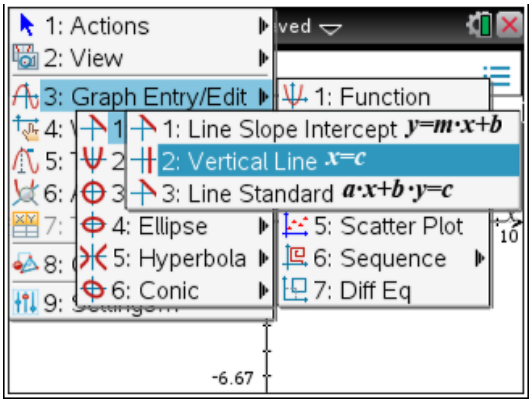
Step 10: Press menu, **3: Graph Entry/Edit, 2: Equation, 1: Line, 2: Vertical Line *x=c.*** There will be an x = in the entry line.	
For example, graph the line x = -2.