

# How to Do Page 420 Example 2 Using TI-Nspire™



Use the TI-Nspire™ to verify that  $(3, -4)$  is the solution to the system of linear equations  $2x + y = 2$  and  $x - y = 7$ .

- Press the home key and open a New Document. See Figure 1.
  - You may be asked to save the current document.
    - If you do not wish to save any changes to the document that is currently open, select No.
    - If you do want to save the last changes you made to the document that is currently open, select Yes.

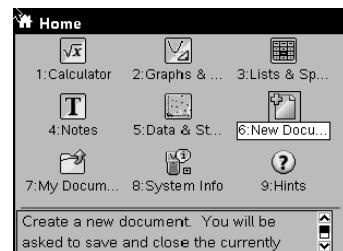


Figure 1

- Select 3: Add Lists & Spreadsheet, as shown in Figure 2.

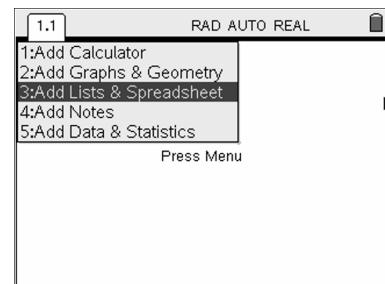


Figure 2

- Create a table of values.
  - Label column A as "x".
  - In the formula bar for column B, type " $= -2x + 2$ " and press . You will be prompted to choose either a column or variable reference. See Figure 3. Press down twice on the navigator pad to choose Variable Reference. Select OK.

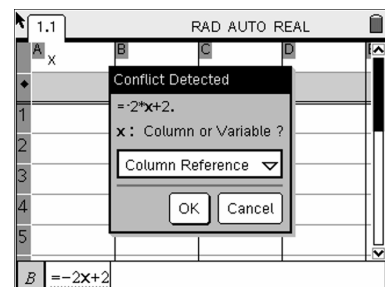


Figure 3

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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(continued)

- In the formula bar for column C, type “ $=x - 7$ ” and press . When prompted, choose Variable Reference. Select OK.
- Enter the desired  $x$ -values into column A. You will see Figure 4.

x	$-2x + 2$	$x - 7$
0	2	-7
1	0	-6
2	-2	-5
3	-4	-4
4	-6	-3

**Figure 4**