Calculator Portion Released Test:

6.)   If x + 3 = 2x - 2, what is the value of x - 4?

    A.   9

    B.   5
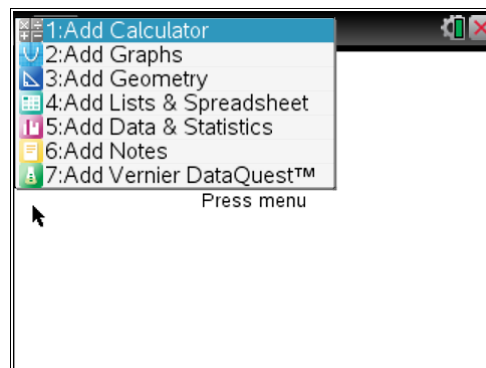
    C.   4

    D.   1

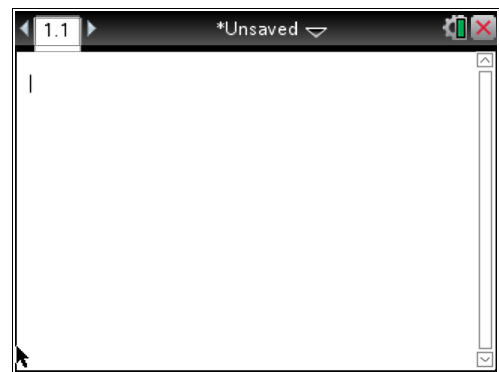Press the Home Key

Select 1: New Document

Press Enter

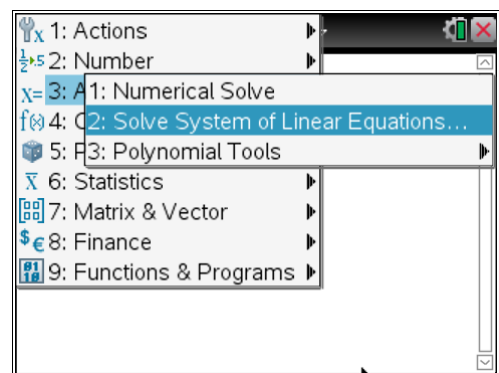Select 1: Add Calculator

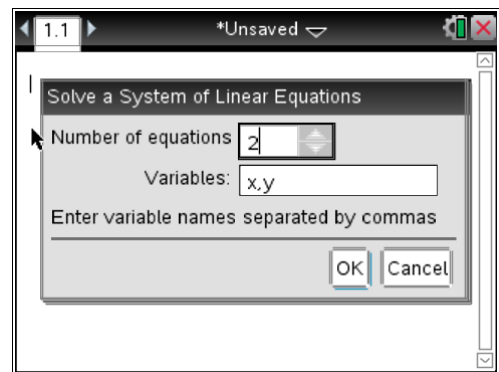Press Enter

Press Menu

Select 3: Algebra

Press the right arrow key
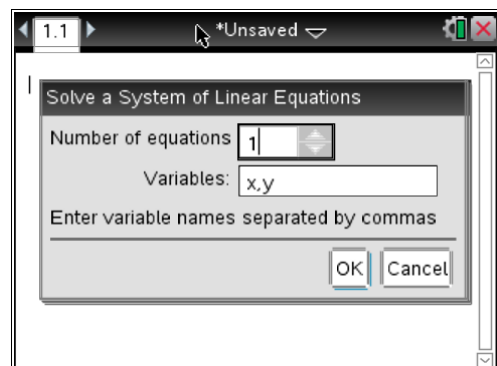
Select 2: Solve System of Linear Equations

Press Enter

Systems of Linear Equations have a minimum of 2
equations. However, we can also use this part of the TI
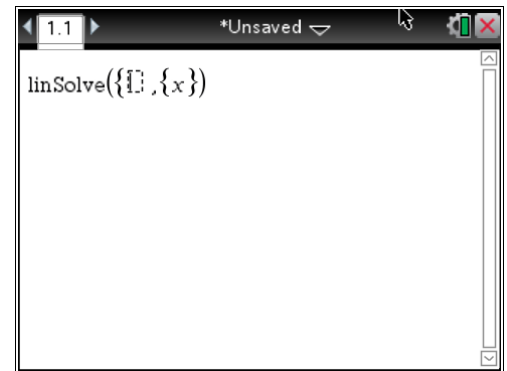Nspire to solve a single equation.

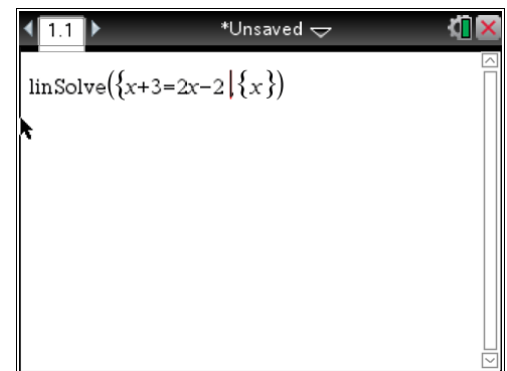Change the 2 equations to 1 equation.

Press OK.

Now, all we have to do is type in the equation from the problem.

$$\text{lin Solve}(\{\square\},\{x\})$$

Type in the equation: x + 3 = 2x – 2

$$\text{lin Solve}(\{x+3=2x-2\,|\,\{x\})$$

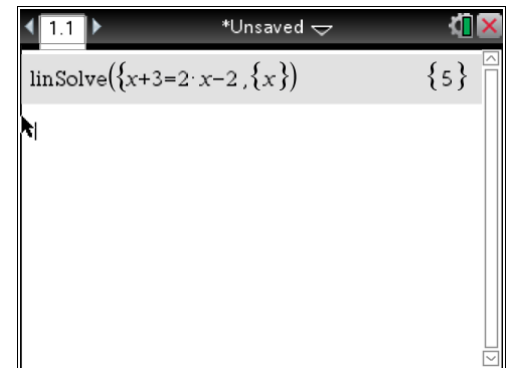Press Enter.

The solution to the **<u>EQUATION</u>** is 5.

However, the question from the problem is:

What is the value of x – 4?

$$\text{lin Solve}(\{x+3=2\cdot x-2,\{x\})\qquad\{5\}$$

Since x = 5, determine the correct answer choice.

#4 From Released Test #1

4

If $16 + 4x$ is 10 more than 14, what is the value of $8x$?

A) 2
B) 6
C) 16
D) 80

_____

#32 From Released Test #6

32

$$2(5x - 20) - (15 + 8x) = 7$$

What value of x satisfies the equation above?

NSpire Steps

1.) Classroom Session #1 uses question 6 on the calculator portion of the SAT test given on April 10, 2018

   NSpire Calculator Skill: "Solving Linear Systems" on the Nspire