SAT RELEASED TEST ADMINISTERED ON APRIL 10, 2018

CLASSROOM SAT SESSION #4

Calculator Portion Released Test:

- 14.) 2x y = -4
 - 2x + y = 4

For the solution of the system of equations above, what is the value of x?

- A.) -4
- B.) -2
- C.) 0
- D. 2

Press the Home Key

Select 1: New Document



Press Enter

Select 1: Add Calculator





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Press Menu

Select 3: Algebra

Press the right arrow key

Select 2: Solve System of Linear Equations

Press Enter

We have two equations.

Press OK

Now, there are two spots to type in the two equations.

Type in both equations.

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$\lim_{\chi \to 0} \operatorname{Solve} \left(\begin{cases} 2x - y \\ 2x + y \end{cases} \right)$	$\begin{pmatrix} y=-4\\ y=4 \end{bmatrix}, \{x,y\}$	[]
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linSolve $\begin{pmatrix} 2 \\ 2 \end{pmatrix}$	$\begin{pmatrix} x-y=-4\\ x+y=4 \end{pmatrix}$, $\{x,y\}$	{0,4}
1		

The questions says, what is the value of x?

The x value is 0, which is answer choice C.

#12 From Released Test #5

12



The system of equations above has solution (x, y). What is the value of x ?

A) 3
 B) ⁷/₂
 C) 4
 D) 6

#11 From Released Test #6

$\mathbf{11}$

7x + 3y = 86x - 3y = 5

For the solution (x, y) to the system of equations above, what is the value of x - y?

A)	$-\frac{4}{3}$
B)	$\frac{2}{3}$
C)	$\frac{4}{3}$
D)	<u>22</u> 3

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

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

2.) Classroom Session #2 uses question 5 on the calculator portion of the SAT test given on April 10, 2018

TI NSpire Calculator Skill: Boolean Checking on the TI Nspire

3.) Classroom Session #2 uses question 8 on the calculator portion of the SAT test given on April 10, 2018

TI NSpire Calculator Skill: Storing values for variables on the TI Nspire

- 4.) Classroom Session #1 uses question 6 on the calculator portion of the SAT test given on April 10, 2018
 - TI NSpire Calculator Skill: "Solving Linear Systems" on the TI Nspire