



lving with Substitution p.78 Essential Question How do I find a solution to a system using substitution? Solve each system of equations. (X, M)2. y = 2x4x - 3y = 24 $v = 2\ddot{x} - 10$ X + Y = 6OFind eq'n solved for a $\psi x + 30 = 24$ variable (y=) X+2X=6 3 substituté into other equation -2x + 30 = 24-30 - 30 -2x = -6 (3) solve X=2 -2 Plug in. X= 3 y=2(3)-10

ving with Substitution p.78 Essential Question How do I find a solution to a system using substitution? Solve each system of equations. Answers should be written as an ordered pair. parenthesis 3. v = 2x2y + 2x = 44. 3x - v = $\dot{X} + V =$ = 10 $-\mathbf{X}$ x=15 not true y= 2(15) NO SOLUTION





On the next page in your notebook (p.79), write or draw out the steps to solve a system by substitution. Your steps should include an example and COLOR.

	SOLVE FOR A VARIABLE	
If you need an example	SUBSTITUTE INTO 2№ EQUATION & SOLVE	
y - x = 2	SUBSTITUTE IN 1 ST EQUATION & SOLVE	
-3x + 4y = 11	CHECK YOUR SOLUTION!	
	1 1 2 1	0.0



Algebra I - Unit 6: Topic 2 – Solvir	ng Systems by Substitution		
Practice - Solving Systems by	Substitution	pp 390-396	
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Find the solution for each system of linear equations.

1. $\begin{aligned} y &= 2x \\ x + y &= 12 \end{aligned}$	2





y = 2x - 54x + y = 7

5. The equations of two lines are 2x - 3y = 12 and x = 4y + 1. What is the value of x in the solution for this system of equations?

Find the solution for each system of linear equations.

6. 4y + x = 5x + 4y = 10





11. Given the equations y - 3x = 8 and 3x = 2y + 7, what would you substitute for y in the equation 3x = 2y + 7?

Answer:

- B $\frac{8}{3}x$ C 8+3x
- D 8•3x

