Solving Linear Systems by Substitution Method To use the Substitution Method, you can replace one variable with an equivalent expression containing the other variable. This makes a one-variable equation	
the other variable. This matrix $1. y = 2x + 3$	akes a one-variable equation.
$\mathbf{y} = -2\mathbf{x} - 9$	 Substitute 2x+3 for y in the 2nd equation.
	 Remember that the solution must be a point (x, y) Pick one of the <u>Original equations</u> Substitute <u>X=-3</u> into the equation.
y=2(-3)+3	• Solve for into the equation.
the point of interse	Write your solution as a point.
2. $x = 2y - 7$ 2x + 4y = 10 2 (2y-7) + 4y = 10	• Substitute 2y-7 for x in the 2nd equation. • Solve for y
8y-14=10 +14 +14 8y=24	• Remember that the solution must be a point (x, y). • Pick one of the equations.
X=2(3)-7	 Substitute into the equation. Solve for into the equation.
The point of intersection (-1,3)	
The solution to a system of equations is the POINT OF INTERSECTION. of the two lines on the graph. This point is the only solution that makes BOTH equations TRUE!	
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solution that	makes BOTH equations True only
	IKUE!