So use the Substitution Metho	olving Linear Systems by Substitution Method od, you can replace one variable with an equivalent expression
containing the other variable.	This makes a one-variable equation.
1. y = 2x + 3	
y = -2x - 9	• Substitute 2x+3 for y in the 2 nd equation • Solve for x
2x+3=-2x-9	• Solve for X
+2X +2X	
4x+3=-9	
-3 -3	• Remember that the solution must be a point (x, y).
4x = -12	· Pick one of the equations.
4 4	• Substitute X=-3 into the equation.
X=-3	• Solve for <u>y</u> .
y=2(3)+3 =-6+3=-3	• Write your solution as a <u>point</u> .
	Write your solution as a Doll !
	point of intersection of the two lines on t
2. x = 2y - 7	• Substitute 2y-7 for X in the 2nd equation • Solve for Y.
2x + 4y = 10	• Substitute for in the equation
2(2y-7)+4y=10	Solve for
44-14+44=10	
8y-14=10 +14 +14	• Remember that the solution must be a point (X, U).
8y=24	• Pick one of the <u>equation</u> *The first one is more • Substitute $U=3$ into the equation efficient here
ai d	• Substitute 11=3 into the equation

• Solve for X.

• Write your solution as a point

(-1,3) is the point of intersection of the lines on the graph.

The solution to a system of equations is the point of intersection.