

5.4 Solve Linear Systems by Elimination p189-193

You will be given two equations and be asked to solve the system or find the solution to the system.

Step 1

Look at both equations and see if adding them together or subtracting them will get rid of (eliminate) one of the variables (x or y)

Step 2

Add or subtract (whatever you decided in step one). Then solve for the variable that is left (x or y).

Step 3

Take the $x =$ or the $y =$ and substitute that value into either of the original equations. At the end you will have the answer to the other variable.

Step 4

Check the x and the y that you have found from steps 2 and 3 into both of the original equations.

***Sometimes neither adding or subtracting will get rid of a variable right away. You may need to use multiplication to rewrite the equations so that you can get numbers that can be subtracted or added. We'll do an example.

Class work

p 193 #1,4,7,10, 13,15, 17, 18, 22