

If you solve a system and end up with the equations $x = 10$ and $y = 10$, then the solution is $(10, 10)$. Here, if you substitute $1 - 5x$ for y in the first equation and then simplify, you will end up with the equation $10x = 10x$, which means something very different. This equation is true regardless of the value of x . The correct answer is that there are an infinite number of solutions.