

This is a solution to the first equation, but not to the system. If you substitute these values into the second equation you get  $455 + 294 = -31$ , or  $749 = -31$ , which is false. Solve the first equation for  $x$ :  $x = 16 - y$ . Then substitute  $16 - y$  for  $x$  in the second equation and solve for  $y$ . Substitute this value into any equation to find  $x$ .