a 10y - 5 = 7y + 11

 $\mathbf{e} | 6y + 5 = 6y + 11$

5u + 6 = 11



Learn online: app.mobius.academy/math/units/algebra systems of equations intro/

Math worksheet on Linear Equation Systems -
Simple Variable Substitution To Equation (Level 3)'.
Part of a broader unit on 'Algebra Systems of
Equations - Intro'

2 Substitute the second variable equation into the first equation to form a single solvable	a 12x - 10 = 8x + 18
equation	\mathbf{b} 12 x – 18 = 8 x + 18
n = 12x - 10	c $10x + 8 = 18$
n = 8x + 18	$\mathbf{d} 9x + 10 = 8x + 18$
x = ?	$\mathbf{e} \ 9x - 10 = 8x + 18$
	$\mathbf{f}_{12x-10} = 10x + 18$

1 Substitute the second variable equation into the first equation to form a single solvable equation
$$d=10n+12$$
 $d=10n+12=2n+76$ $d=2n+76$ $d=2n+76$ $n=?$ $d=2n+76$ $d=2n+76$ $d=2n+76$ $d=2n+76$ $d=2n+76$ $d=2n+76$ $d=2n+76$

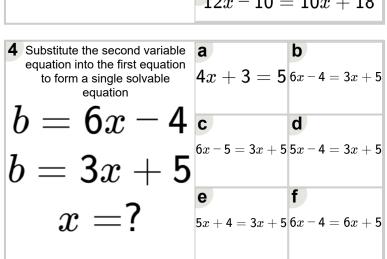
 $p=10y-5\,{
m c}_{10y-11\,=\,6y\,+\,11}$

p=6y+11d 6y-5=6y+11

3 Substitute the second variable

equation into the first equation to form a single solvable

equation



5 Substitute the second variable equation into the first equation to form a single solvable equation
$$b=5z+10$$
 c $b=3z+22$ b $b=3z+22$ c $b=3z+22$ f $b=3z+22$ f $b=3z+22$

