Name:



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

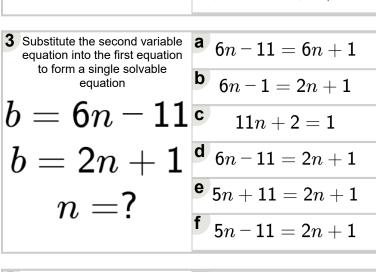
Math worksheet on <i>'Linear Equation Systems -</i>		
Simple Variable Substitution To Equation (Level 3)'.		
Part of a broader unit on 'Algebra Systems of		
Equations - Intro'		
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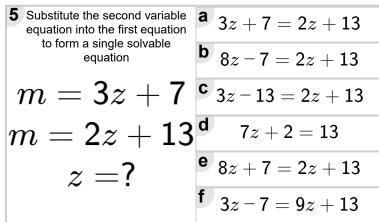
Substitute the second variable equation into the first equation to form a single solvable equation
$$x=11x-6$$
 b $11x+6=8x+21$ $x=7$ c $11x-21=8x+21$ $x=7$ d $x=7$ e $11x-6=8x+21$ f $11x-6=8x+21$

4 Substitute the second variable equation into the first equation to form a single solvable equation
$$x=11m+6$$
 c $11m+6=2m+33$ $x=2m+33$ $x=2m+33$

6 Substitute the second variable equation into the first equation to form a single solvable equation
$$d=7r+10$$
 c $r=7$ $d=11r+2$ $d=11r$

Substitute the second variable equation into the first equation to form a single solvable	$\mathbf{a} \ 5z - 10 = 9z + 22$
equation	$\mathbf{b} 5z + 10 = 3z + 22$
b = 5z + 10	
b = 3z + 22	d $8z + 10 = 3z + 22$
z = ?	e $10z + 3 = 22$
	5z-22=3z+22





7 Substitute the second variable equation into the first equation to form a single solvable equation	a $12b-4=11b+5$
	b $12b-4=12b+5$
p = 12b - 4	
p = 11b + 5	d $12b-5=11b+5$
b = ?	$oldsymbol{e}$ 11 $b+4=11b+5$
	f $4b + 11 = 5$