Name:		



Math worksheet on 'Linear Equation Systems -Simple Equation Substitution (Level 2)'. Part of a broader unit on 'Algebra Systems of Equations -Intro'

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Solve for the variable by substituting the second equation into the first	z=1	z=36	$oldsymbol{z}=84$
$\begin{vmatrix} 8z + 12y = 148 \\ y = 7z - 3 \end{vmatrix}$	d	е	f
z = ?	z = 5	z = 2	z = 0

Solve for the variable by substituting the second equation into the first	а	b	C
6y + 7z = 51		y = 3	y = 14
z=2y-7	d	е	f
y=?	y = 5	y = 49	y = 8

Solve for the variable by substituting the second equation into the first	а	b	С
		m = 70	m = 4
12m + 7z = 128			
z=3m-10	d	е	f
m = ?	m = 6	m = 21	m = 5

Solve for the variable by substituting the second equation into the first	$egin{aligned} \mathbf{a} \ m = 2 \end{aligned}$	m=5	$egin{array}{c} oldsymbol{c} \ m=1 \end{array}$
4m + 3b = 5			
b = 5m - 11	d	е	f
m = ?	m = 0	m = 33	m=15

5	Solve for the variable by substituting the second equation into the first	r=2	$egin{array}{c c} oldsymbol{b} \end{array} & oldsymbol{r} = 110 \end{array}$	r=6
	$+11d=109 \ d=6r-10$	d	е	f
	a = 6r - 10 $r = ?$	r=3	3r=66	r=1

6	Solve for the variable by substituting the second	а	b	C
equation into the first	b = 40	b = 1	b = 2	
10	b + 8r = 110			
	r = 5b - 5	d	е	f
	b = ?	b = 40	b = 6	b = 3

Solve for the variable by substituting the second equation into the first	p=18	p=60	$egin{array}{c} oldsymbol{c} \ p=1 \end{array}$
5p + 6c = 148	_		
c=10p+3	d	е	f
p = ?	p = 0	p = 2	p = 5