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Math worksheet on *'Linear Equation Systems - Simple Equation Substitution (Level 1)'*. Part of a broader unit on *'Algebra Systems of Equations - Intro'*

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1 Solve for the variable by substituting the second equation into the first

$$9y - z = 1$$
$$z = 8y + 2$$
$$y = ?$$

a	b	c
$y = 3$	$y = 4$	$y = 1$
d	e	f
$y = 5$	$y = 2$	$y = 6$

2 Solve for the variable by substituting the second equation into the first

$$12c + z = 62$$
$$z = 2c + 6$$
$$c = ?$$

a	b	c
$c = 2$	$c = 5$	$c = 7$
d	e	f
$c = 6$	$c = 3$	$c = 4$

3 Solve for the variable by substituting the second equation into the first

$$11b - y = 21$$
$$y = 8b + 3$$
$$b = ?$$

a	b	c
$b = 9$	$b = 6$	$b = 8$
d	e	f
$b = 10$	$b = 11$	$b = 7$

4 Solve for the variable by substituting the second equation into the first

$$3r + d = 20$$
$$d = 4r + 6$$
$$r = ?$$

a	b	c
$r = 3$	$r = 4$	$r = 2$
d	e	f
$r = 1$	$r = 5$	$r = 0$

5 Solve for the variable by substituting the second equation into the first

$$2m + r = 60$$
$$r = 5m + 4$$
$$m = ?$$

a	b	c
$m = 11$	$m = 9$	$m = 6$
d	e	f
$m = 10$	$m = 7$	$m = 8$

6 Solve for the variable by substituting the second equation into the first

$$8c + m = 100$$
$$m = 3c + 12$$
$$c = ?$$

a	b	c
$c = 7$	$c = 8$	$c = 9$
d	e	f
$c = 11$	$c = 6$	$c = 10$

7 Solve for the variable by substituting the second equation into the first

$$8p - d = 7$$
$$d = 6p + 9$$
$$p = ?$$

a	b	c
$p = 9$	$p = 7$	$p = 6$
d	e	f
$p = 8$	$p = 10$	$p = 11$