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Math worksheet on *'Linear Equation Systems - Simple Variable 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

$$10y - x = 35$$
$$x = 3y$$
$$y = ?$$

a	b	c
$y = 5$	$y = 7$	$y = 4$
d	**e**	**f**
$y = 3$	$y = 8$	$y = 3$

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

$$10r + p = 98$$
$$p = 4r$$
$$r = ?$$

a	b	c
$r = 10$	$r = 7$	$r = 9$
d	**e**	**f**
$r = 8$	$r = 5$	$r = 6$

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

$$12c + z = 92$$
$$z = 11c$$
$$c = ?$$

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

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

$$9r + p = 52$$
$$p = 4r$$
$$r = ?$$

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

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

$$3r + m = 48$$
$$m = 3r$$
$$r = ?$$

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

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

$$9x + c = 78$$
$$c = 4x$$
$$x = ?$$

a	b	c
$x = 7$	$x = 8$	$x = 6$
d	**e**	**f**
$x = 9$	$x = 5$	$x = 4$

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

$$10z - r = 18$$
$$r = 7z$$
$$z = ?$$

a	b	c
$z = 6$	$z = 4$	$z = 8$
d	**e**	**f**
$z = 9$	$z = 7$	$z = 5$