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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

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

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

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

$$7p + b = 64$$
$$b = 8p + 4$$
$$p = ?$$

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

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

$$7z + r = 49$$
$$r = 8z + 4$$
$$z = ?$$

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

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

$$10p + n = 103$$
$$n = 6p + 7$$
$$p = ?$$

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

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

$$12m - y = 39$$
$$y = 5m + 3$$
$$m = ?$$

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

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

$$2p + x = 32$$
$$x = 3p + 2$$
$$p = ?$$

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

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

$$10z - n = 1$$
$$n = 9z + 2$$
$$z = ?$$

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