Math worksheet on *'Linear Equation Systems - Simple Equation Substitution (Level 3)'*. 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

$$96n - 11p = 46$$
$$p = 8n - 2$$
$$n = ?$$

a	b	c
$n = 2$	$n = 3$	$n = 88$
d	**e**	**f**
$n = 6$	$n = 22$	$n = 1$

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

$$45c - 4m = 77$$
$$m = 9c - 8$$
$$c = ?$$

a	b	c
$c = 5$	$c = 3$	$c = 32$
d	**e**	**f**
$c = 8$	$c = 4$	$c = 36$

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

$$9c - 3p = 45$$
$$p = 2c - 12$$
$$c = ?$$

a	b	c
$c = 6$	$c = 1$	$c = 2$
d	**e**	**f**
$c = 36$	$c = 6$	$c = 3$

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

$$13n - 3d = 8$$
$$d = 3n + 4$$
$$n = ?$$

a	b	c
$n = 3$	$n = 5$	$n = 12$
d	**e**	**f**
$n = 9$	$n = 4$	$n = 8$

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

$$33p - 2z = 91$$
$$z = 11p + 4$$
$$p = ?$$

a	b	c
$p = 22$	$p = 9$	$p = 12$
d	**e**	**f**
$p = 7$	$p = 8$	$p = 8$

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

$$28m - 6c = 24$$
$$c = 4m + 2$$
$$m = ?$$

a	b	c
$m = 24$	$m = 7$	$m = 12$
d	**e**	**f**
$m = 12$	$m = 9$	$m = 8$

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

$$15b - 4x = 56$$
$$x = 3b - 8$$
$$b = ?$$

a	b	c
$b = 6$	$b = 12$	$b = 7$
d	**e**	**f**
$b = 11$	$b = 8$	$b = 32$