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

$$6b + 4y = 40$$
$$y = 6b - 5$$
$$b = ?$$

a	b	c
$b = 0$	$b = 5$	$b = 20$
d	**e**	**f**
$b = 24$	$b = 1$	$b = 2$

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

$$11n + 2z = 119$$
$$z = 11n + 10$$
$$n = ?$$

a	b	c
$n = 22$	$n = 6$	$n = 1$
d	**e**	**f**
$n = 2$	$n = 20$	$n = 3$

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

$$5y + 8m = 52$$
$$m = 3y - 8$$
$$y = ?$$

a	b	c
$y = 64$	$y = 7$	$y = 3$
d	**e**	**f**
$y = 24$	$y = 2$	$y = 4$

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

$$4n + 4c = 64$$
$$c = 5n + 4$$
$$n = ?$$

a	b	c
$n = 2$	$n = 1$	$n = 20$
d	**e**	**f**
$n = 16$	$n = 0$	$n = 5$

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

$$6d + 5m = 62$$
$$m = 2d - 10$$
$$d = ?$$

a	b	c
$d = 50$	$d = 6$	$d = 5$
d	**e**	**f**
$d = 10$	$d = 10$	$d = 7$

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

$$4m + 3b = 5$$
$$b = 5m - 11$$
$$m = ?$$

a	b	c
$m = 33$	$m = 1$	$m = 15$
d	**e**	**f**
$m = 0$	$m = 2$	$m = 5$

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

$$2y + 6d = 70$$
$$d = 3y - 5$$
$$y = ?$$

a	b	c
$y = 8$	$y = 4$	$y = 30$
d	**e**	**f**
$y = 3$	$y = 18$	$y = 5$