Name

Linear Equation Systems - Simple Variable Substitution

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

$$10p + t = 42$$
$$t = 4p$$
$$p = ?$$

A	B	C
$p = 3$	$p = 5$	$p = 2$
D	**E**	**F**
$p = 4$	$p = 6$	$p = 1$

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

$$6z + q = 70$$
$$q = 4z$$
$$z = ?$$

A	B	C
$z = 10$	$z = 7$	$z = 8$
D	**E**	**F**
$z = 5$	$z = 9$	$z = 6$

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

$$4t - q = 3$$
$$q = 3t$$
$$t = ?$$

A	B	C
$t = 2$	$t = 1$	$t = 5$
D	**E**	
$t = 6$	$t = 3$	

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

$$5w + m = 144$$
$$m = 11w$$
$$w = ?$$

A	B	C
$w = 8$	$w = 10$	$w = 9$
D	**E**	**F**
$w = 7$	$w = 11$	$w = 12$

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

$$7x + z = 18$$
$$z = 2x$$
$$x = ?$$

A	B	C
$x = 3$	$x = 2$	$x = 0$
D	**E**	**F**
$x = 4$	$x = 1$	$x = 5$

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

$$11y - x = 16$$
$$x = 3y$$
$$y = ?$$

A	B	C
$y = 3$	$y = 5$	$y = 0$
D	**E**	**F**
$y = 4$	$y = 1$	$y = 2$

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

$$11q + m = 105$$
$$m = 10q$$
$$q = ?$$

A	B	C
$q = 3$	$q = 8$	$q = 6$
D	**E**	**F**
$q = 5$	$q = 4$	$q = 7$

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

$$11z - n = 25$$
$$n = 6z$$
$$z = ?$$

A	B	C
$z = 3$	$z = 4$	$z = 7$
D	**E**	**F**
$z = 8$	$z = 5$	$z = 6$