Name

Linear Equation Systems - Simple Variable Substitution

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

$$c = 8b + 4$$
$$c = 2b + 40$$
$$b = ?$$

A	B	C
$b = 4$	$b = 5$	$b = 6$
D	E	F
$b = 8$	$b = 7$	$b = 9$

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

$$r = 11x + 5$$
$$r = 3x + 69$$
$$x = ?$$

A	B	C
$x = 10$	$x = 9$	$x = 7$
D	E	F
$x = 8$	$x = 11$	$x = 6$

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

$$x = 12r + 10$$
$$x = 11r + 17$$
$$r = ?$$

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

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

$$n = 9m - 3$$
$$n = 5m + 21$$
$$m = ?$$

A	B	C
$m = 4$	$m = 5$	$m = 9$
D	E	F
$m = 8$	$m = 7$	$m = 6$

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

$$r = 10y - 7$$
$$r = 3y + 49$$
$$y = ?$$

A	B	C
$y = 8$	$y = 6$	$y = 11$
D	E	F
$y = 7$	$y = 10$	$y = 9$

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

$$m = 4y - 4$$
$$m = 3y + 5$$
$$y = ?$$

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

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

$$z = 12m - 6$$
$$z = 7m + 34$$
$$m = ?$$

A	B	C
$m = 7$	$m = 9$	$m = 11$
D	E	F
$m = 8$	$m = 6$	$m = 10$

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

$$r = 10p + 3$$
$$r = 8p + 13$$
$$p = ?$$

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