mobius
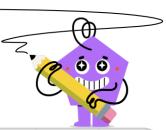
Linear Equation Systems - Simple Equation Substitution

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

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

A	B	C
$c = 36$	$c = 3$	$c = 1$

D	E	F
$c = 6$	$c = 6$	$c = 2$

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

$$16x - 7m = 29$$
$$m = 2x - 3$$
$$x = ?$$

A	B	C
$x = 2$	$x = 21$	$x = 3$

D	E	F
$x = 14$	$x = 7$	$x = 4$

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

$$81d - 9r = 153$$
$$r = 8d - 12$$
$$d = ?$$

A	B	C
$d = 72$	$d = 108$	$d = 4$

D	E	F
$d = 5$	$d = 8$	$d = 3$

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

$$100m - 9n = 102$$
$$n = 10m - 8$$
$$m = ?$$

A	B	C
$m = 72$	$m = 1$	$m = 3$

D	E	F
$m = 2$	$m = 6$	$m = 90$

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

$$24r - 2d = 36$$
$$d = 8r - 10$$
$$r = ?$$

A	B	C
$r = 1$	$r = 20$	$r = 16$

D	E	F
$r = 0$	$r = 2$	$r = 5$

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

$$10y - 4p = 18$$
$$p = 2y - 2$$
$$y = ?$$

A	B	C
$y = 8$	$y = 5$	$y = 8$

D	E	F
$y = 3$	$y = 4$	$y = 8$

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

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

A	B	C
$m = 24$	$m = 12$	$m = 7$

D	E	F
$m = 9$	$m = 8$	$m = 12$

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

$$25x - 2m = 74$$
$$m = 7x - 4$$
$$x = ?$$

A	B	C
$x = 8$	$x = 5$	$x = 9$

D	E	F
$x = 6$	$x = 4$	$x = 14$

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