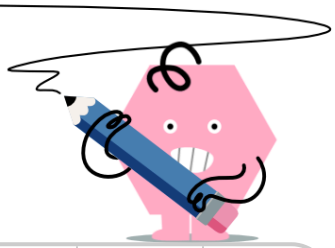
Name

Linear Equation Systems - Simple Variable Substitution



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

$$5d + 3c = 68$$
$$c = 4d$$
$$d = ?$$

A	B	C
$d = 3$	$d = 7$	$d = 4$
D	E	F
$d = 12$	$d = 2$	$d = 6$

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

$$8m + 3n = 98$$
$$n = 2m$$
$$m = ?$$

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

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

$$9c + 4d = 148$$
$$d = 7c$$
$$c = ?$$

A	B	C
$c = 6$	$c = 2$	$c = 4$
D	E	F
$c = 3$	$c = 7$	$c = 28$

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

$$9n + 10c = 116$$
$$c = 2n$$
$$n = ?$$

A	B	C
$n = 6$	$n = 4$	$n = 2$
D	E	F
$n = 7$	$n = 3$	$n = 20$

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

$$2m + 8y = 52$$
$$y = 3m$$
$$m = ?$$

A	B	C
$m = 4$	$m = 0$	$m = 2$
D	E	F
$m = 24$	$m = 5$	$m = 1$

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

$$7m + 5c = 85$$
$$c = 2m$$
$$m = ?$$

A	B	C
$m = 4$	$m = 8$	$m = 5$
D	E	F
$m = 10$	$m = 7$	$m = 3$

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

$$12m + 2r = 110$$
$$r = 5m$$
$$m = ?$$

A	B	C
$m = 10$	$m = 7$	$m = 5$
D	E	F
$m = 3$	$m = 4$	$m = 8$

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

$$10d + 10b = 120$$
$$b = 5d$$
$$d = ?$$

A	B	C
$d = 5$	$d = 2$	$d = 0$
D	E	F
$d = 1$	$d = 50$	$d = 4$