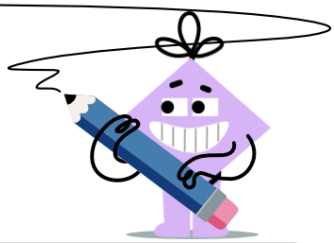
Name



Linear Equation Systems - Simple Equation Substitution To Equation

1 Substitute the second equation into the first equation to form a single solvable equation

$$44b - 3x = 69$$
$$x = 11b - 12$$
$$b = ?$$

A $44b - 33b + 36 = 69$

B $33b - 11b - 1 = 69$

C $33b - 11b + 1 = 69$

D $44b + 33b - 36 = 69$

E $36b - 11b + 12 = 69$

F $44b - 11b + 2 = 33$

2 Substitute the second equation into the first equation to form a single solvable equation

$$48d - 11r = 82$$
$$r = 4d - 6$$
$$d = ?$$

A $44d - 4d - 2 = 82$

B $48d - 44d + 66 = 82$

C $66d - 4d + 6 = 82$

D $48d + 44d - 66 = 82$

E $44d - 4d + 2 = 82$

F $48d - 4d + 3 = 44$

3 Substitute the second equation into the first equation to form a single solvable equation

$$64c - 9z = 44$$
$$z = 6c + 4$$
$$c = ?$$

A $64c - 6c + 7 = 54$

B $64c + 54c - 36 = 44$

C $54c - 6c + 6 = 44$

D $54c - 6c - 6 = 44$

E $36c - 6c + 4 = 44$

F $64c - 54c - 36 = 44$

4 Substitute the second equation into the first equation to form a single solvable equation

$$45n - 12z = 123$$
$$z = 3n - 8$$
$$n = ?$$

A $36n - 3n - 1 = 123$

B $45n - 3n + 2 = 36$

C $45n + 36n - 96 = 123$

D $36n - 3n + 1 = 123$

E $45n - 36n + 96 = 123$

F $96n - 3n + 8 = 123$

5 Substitute the second equation into the first equation to form a single solvable equation

$$7x - 2d = 2$$
$$d = 2x + 11$$
$$x = ?$$

A $7x - 4x - 22 = 2$

B $22x - 2x + 11 = 2$

C $7x - 2x + 7 = 4$

D $7x + 4x - 22 = 2$

E $4x - 2x + 6 = 2$

F $4x - 2x - 6 = 2$

6 Substitute the second equation into the first equation to form a single solvable equation

$$56n - 11m = 156$$
$$m = 4n - 12$$
$$n = ?$$

A $44n - 4n + 0 = 156$

B $56n - 44n + 132 = 156$

C $44n - 4n - 0 = 156$

D $56n + 44n - 132 = 156$

E $132n - 4n + 12 = 156$

F $56n - 4n + 1 = 44$

7 Substitute the second equation into the first equation to form a single solvable equation

$$12n - 2x = 26$$
$$x = 3n + 2$$
$$n = ?$$

A $6n - 3n + 3 = 26$

B $12n + 6n - 4 = 26$

C $12n - 6n - 4 = 26$

D $6n - 3n - 3 = 26$

E $12n - 3n + 4 = 6$

F $4n - 3n + 2 = 26$

8 Substitute the second equation into the first equation to form a single solvable equation

$$12m - 2b = 12$$
$$b = 4m - 2$$
$$m = ?$$

A $4m - 4m + 2 = 12$

B $8m - 4m - 0 = 12$

C $12m + 8m - 4 = 12$

D $8m - 4m + 0 = 12$

E $12m - 4m + 1 = 8$

F $12m - 8m + 4 = 12$