Name

Linear Equation Systems - Simple Addition To Equation

1 Add or subtract multiples of the second equation to the first equation to form a single solvable equation

$$11z + 8m = 82$$
$$3z + 4m = 26$$
$$z = ?$$

A $5z = 5$
B $30z = 5$
C $30z = 9$
D $5z = 30$
E $5z = 82$
F $26z = 82$

2 Add or subtract multiples of the second equation to the first equation to form a single solvable equation

$$5c + 6n = 69$$
$$10c + 3n = 102$$
$$c = ?$$

A $-135c = -15$
B $102c = 69$
C $-15c = 69$
D $-15c = -135$
E $-15c = -15$
F $-135c = 12$

3 Add or subtract multiples of the second equation to the first equation to form a single solvable equation

$$9d + 8p = 95$$
$$10d + 4p = 86$$
$$d = ?$$

A $86d = 95$
B $-11d = 95$
C $-11d = -77$
D $-77d = -11$
E $-11d = -11$
F $-77d = 10$

4 Add or subtract multiples of the second equation to the first equation to form a single solvable equation

$$9b + 12d = 147$$
$$7b + 6d = 91$$
$$b = ?$$

A $-5b = -5$
B $91b = 147$
C $-35b = -5$
D $-35b = 10$
E $-5b = -35$
F $-5b = 147$

5 Add or subtract multiples of the second equation to the first equation to form a single solvable equation

$$4d + 8x = 44$$
$$7d + 4x = 57$$
$$d = ?$$

A $-10d = -10$
B $-70d = -10$
C $57d = 44$
D $-10d = 44$
E $-10d = -70$
F $-70d = 10$

6 Add or subtract multiples of the second equation to the first equation to form a single solvable equation

$$2b + 9r = 73$$
$$3b + 3r = 36$$
$$b = ?$$

A $-7b = 73$
B $36b = 73$
C $-35b = 8$
D $-35b = -7$
E $-7b = -7$
F $-7b = -35$

7 Add or subtract multiples of the second equation to the first equation to form a single solvable equation

$$12c + 6b = 72$$
$$6c + 2b = 30$$
$$c = ?$$

A $-18c = 6$
B $-18c = -6$
C $-6c = -6$
D $-6c = -18$
E $30c = 72$
F $-6c = 72$

8 Add or subtract multiples of the second equation to the first equation to form a single solvable equation

$$10z + 8d = 130$$
$$4z + 4d = 56$$
$$z = ?$$

A $56z = 130$
B $18z = 12$
C $18z = 2$
D $2z = 130$
E $2z = 2$
F $2z = 18$