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

$$6x + 3d = 33$$
$$5x - 3d = 0$$
$$x = ?$$

A $33x = 6$

B $0x = 33$

C $11x = 11$

D $11x = 33$

E $33x = 11$

F $0x - 3x + 2 = 33$

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

$$9p + 12r = 105$$
$$5p - 12r = -35$$
$$p = ?$$

A $70p = 14$

B $70p = 8$

C $-35p = 105$

D $14p = 105$

E $14p = 70$

F $14p = 14$

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

$$8x + 4c = 60$$
$$2x - 4c = -20$$
$$x = ?$$

A $10x = 40$

B $10x = 10$

C $10x = 60$

D $40x = 7$

E $40x = 10$

F $-20x = 60$

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

$$8y + 5m = 117$$
$$-8y + 9m = 9$$
$$m = ?$$

A $126m = 14$

B $14m = 126$

C $9m = 117$

D $126m = 12$

E $14m = 14$

F $14m = 117$

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

$$12c + 12p = 120$$
$$8c - 12p = -80$$
$$c = ?$$

A $20c = 40$

B $40c = 5$

C $40c = 20$

D $20c = 20$

E $20c = 120$

F $-80c = 120$

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

$$9r + 10n = 74$$
$$-9r + 4n = -46$$
$$n = ?$$

A $14n = 28$

B $14n = 14$

C $-46n = 74$

D $28n = 5$

E $14n = 74$

F $28n = 14$

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

$$5b + 9m = 69$$
$$-5b + 6m = 21$$
$$m = ?$$

A $90m = 15$

B $15m = 90$

C $15m = 69$

D $15m = 15$

E $21m = 69$

F $90m = 9$

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

$$10r + 6m = 78$$
$$8r - 6m = 30$$
$$r = ?$$

A $18r = 78$

B $108r = 18$

C $30r = 78$

D $18r = 108$

E $108r = 9$

F $18r = 18$