Name

Linear Equation Systems - Simple Addition

1 Solve for the variable by adding or subtracting multiples of the second equation to the first

$$4r + 8y = 88$$
$$3r - 8y = -60$$
$$r = ?$$

A $r = -60$ B $r = 7$ C $r = 7$

D $r = 3$ E $r = 28$ F $r = 4$

2 Solve for the variable by adding or subtracting multiples of the second equation to the first

$$5z + 6y = 63$$
$$-5z + 3y = -36$$
$$y = ?$$

A $y = 27$ B $y = -36$ C $y = 9$

D $y = 3$ E $y = 6$ F $y = 2$

3 Solve for the variable by adding or subtracting multiples of the second equation to the first

$$4m + 3x = 40$$
$$-4m + 12x = 80$$
$$x = ?$$

A $x = 120$ B $x = 80$ C $x = 15$

D $x = 11$ E $x = 8$ F $x = 7$

4 Solve for the variable by adding or subtracting multiples of the second equation to the first

$$9d + 12b = 87$$
$$3d - 12b = -51$$
$$d = ?$$

A $d = 12$ B $d = -51$ C $d = 6$

D $d = 36$ E $d = 3$ F $d = 2$

5 Solve for the variable by adding or subtracting multiples of the second equation to the first

$$11d + 9b = 85$$
$$-11d + 12b = 62$$
$$b = ?$$

A $b = 147$ B $b = 62$ C $b = 7$

D $b = 10$ E $b = 6$ F $b = 21$

6 Solve for the variable by adding or subtracting multiples of the second equation to the first

$$4m + 7c = 95$$
$$-4m + 6c = 22$$
$$c = ?$$

A $c = 22$ B $c = 9$ C $c = 12$

D $c = 13$ E $c = 117$ F $c = 8$

7 Solve for the variable by adding or subtracting multiples of the second equation to the first

$$8d + 9n = 119$$
$$12d - 9n = 21$$
$$d = ?$$

A $d = 7$ B $d = 6$ C $d = 140$

D $d = 10$ E $d = 20$ F $d = 21$

8 Solve for the variable by adding or subtracting multiples of the second equation to the first

$$10z + 11m = 97$$
$$-10z + 7m = 29$$
$$m = ?$$

A $m = 7$ B $m = 10$

C $m = 29$ D $m = 6$

E $m = 126$ F $m = 18$