Name

Linear Equation Systems - Simple Addition

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

$$12p + 10y = 78$$
$$-6p + 2y = -18$$
$$y = ?$$

A $y = 14$ B $y = 2$ C $y = 42$

D $y = -18$ E $y = 3$ F $y = 6$

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

$$2c + 4d = 28$$
$$3c - 2d = 2$$
$$c = ?$$

A $c = 3$ B $c = 32$ C $c = 7$

D $c = 8$ E $c = 2$ F $c = 4$

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

$$3p + 12z = 111$$
$$4p - 4z = -12$$
$$p = ?$$

A $p = 8$ B $p = 5$ C $p = 75$

D $p = 4$ E $p = 15$ F $p = -12$

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

$$4z + 8n = 28$$
$$5z - 4n = 7$$
$$z = ?$$

A $z = 6$ B $z = 7$ C $z = 2$

D $z = 3$ E $z = 14$ F $z = 42$

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

$$8c + 3n = 52$$
$$-2c + 2n = -2$$
$$n = ?$$

A $n = 11$ B $n = 44$ C $n = -2$

D $n = 7$ E $n = 4$ F $n = 3$

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

$$4n + 4p = 32$$
$$-2n + 2p = -4$$
$$p = ?$$

A $p = 6$ B $p = -4$ C $p = 8$

D $p = 2$ E $p = 24$ F $p = 3$

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

$$10x + 10y = 140$$
$$2x - 5y = -7$$
$$x = ?$$

A $x = -7$ B $x = 8$ C $x = 12$

D $x = 126$ E $x = 9$ F $x = 14$

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

$$2r + 10c = 90$$
$$5r - 5c = -15$$
$$r = ?$$

A $r = 5$ B $r = 60$ C $r = 12$

D $r = -15$ E $r = 4$ F $r = 8$