Name

Linear Equation Systems - Simple Equation Substitution

1 Solve for the variable by substituting the second equation into the first

$$3m + 5p = 79$$
$$p = 7m - 7$$
$$m = ?$$

A $m = 3$ B $m = 6$ C $m = 35$

D $m = 2$ E $m = 1$ F $m = 35$

2 Solve for the variable by substituting the second equation into the first

$$12z + 2b = 150$$
$$b = 3z + 12$$
$$z = ?$$

A $z = 24$ B $z = 7$ C $z = 5$

D $z = 6$ E $z = 10$ F $z = 6$

3 Solve for the variable by substituting the second equation into the first

$$7y + 4b = 53$$
$$b = 5y - 7$$
$$y = ?$$

A $y = 3$ B $y = 6$ C $y = 2$

D $y = 28$ E $y = 20$ F $y = 1$

4 Solve for the variable by substituting the second equation into the first

$$4m + 3b = 5$$
$$b = 5m - 11$$
$$m = ?$$

A $m = 2$ B $m = 15$ C $m = 5$

D $m = 1$ E $m = 0$ F $m = 33$

5 Solve for the variable by substituting the second equation into the first

$$3r + 6m = 93$$
$$m = 4r + 2$$
$$r = ?$$

A $r = 12$ B $r = 1$ C $r = 6$

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

6 Solve for the variable by substituting the second equation into the first

$$5d + 7z = -25$$
$$z = 2d - 9$$
$$d = ?$$

A $d = 14$ B $d = 63$ C $d = 2$

D $d = 5$ E $d = 0$ F $d = 1$

7 Solve for the variable by substituting the second equation into the first

$$5z + 5d = 95$$
$$d = 11z - 5$$
$$z = ?$$

A $z = 2$ B $z = 55$ C $z = 0$

D $z = 5$ E $z = 1$ F $z = 25$

8 Solve for the variable by substituting the second equation into the first

$$5p + 6c = 148$$
$$c = 10p + 3$$
$$p = ?$$

A $p = 60$ B $p = 2$ C $p = 0$

D $p = 1$ E $p = 18$ F $p = 5$