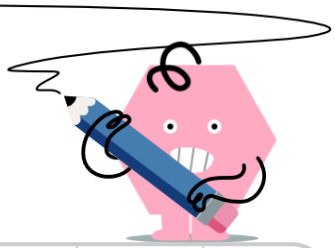
Name

Linear Equation Systems - Simple Number Substitution



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

$$5z - x = 12$$
$$x = 3$$
$$z = ?$$

A $z = 3$ B $z = 6$ C $z = 1$

D $z = 4$ E $z = 5$ F $z = 2$

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

$$8p + z = 54$$
$$z = 6$$
$$p = ?$$

A $p = 8$ B $p = 6$ C $p = 7$

D $p = 9$ E $p = 4$ F $p = 5$

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

$$5c - n = 7$$
$$n = 8$$
$$c = ?$$

A $c = 6$ B $c = 2$ C $c = 4$

D $c = 1$ E $c = 5$ F $c = 3$

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

$$6p + d = 38$$
$$d = 8$$
$$p = ?$$

A $p = 5$ B $p = 8$ C $p = 3$

D $p = 4$ E $p = 7$ F $p = 6$

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

$$2n - b = 4$$
$$b = 12$$
$$n = ?$$

A $n = 8$ B $n = 7$ C $n = 10$

D $n = 6$ E $n = 11$ F $n = 9$

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

$$10b - y = 19$$
$$y = 11$$
$$b = ?$$

A $b = 1$ B $b = 3$ C $b = 4$

D $b = 2$ E $b = 6$ F $b = 5$

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

$$3m - y = 11$$
$$y = 4$$
$$m = ?$$

A $m = 6$ B $m = 4$ C $m = 7$

D $m = 3$ E $m = 8$ F $m = 5$

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

$$3n + z = 19$$
$$z = 4$$
$$n = ?$$

A $n = 7$ B $n = 5$ C $n = 8$

D $n = 4$ E $n = 3$ F $n = 6$