



Linear Equation Systems - Simple Variable Substitution To Equation

<p>1 Substitute the second variable equation into the first equation to form a single solvable equation</p> $m = 3z + 7$ $m = 2z + 13$ $z = ?$	<p>A $3z - 7 = 9z + 13$</p> <p>B $3z + 7 = 2z + 13$</p> <p>C $7z + 2 = 13$</p> <p>D $8z - 7 = 2z + 13$</p> <p>E $3z - 13 = 2z + 13$</p> <p>F $8z + 7 = 2z + 13$</p>	<p>2 Substitute the second variable equation into the first equation to form a single solvable equation</p> $b = 6x - 4$ $b = 3x + 5$ $x = ?$	<p>A $6x - 4 = 6x + 5$</p> <p>B $5x + 4 = 3x + 5$</p> <p>C $4x + 3 = 5$</p> <p>D $5x - 4 = 3x + 5$</p> <p>E $6x - 4 = 3x + 5$</p> <p>F $6x - 5 = 3x + 5$</p>
<p>3 Substitute the second variable equation into the first equation to form a single solvable equation</p> $p = 10y - 5$ $p = 6y + 11$ $y = ?$	<p>A $10y - 5 = 6y + 11$</p> <p>B $10y - 11 = 6y + 11$</p> <p>C $5y + 6 = 11$</p> <p>D $10y - 5 = 7y + 11$</p> <p>E $6y - 5 = 6y + 11$</p> <p>F $6y + 5 = 6y + 11$</p>	<p>4 Substitute the second variable equation into the first equation to form a single solvable equation</p> $p = 9n + 8$ $p = 8n + 15$ $n = ?$	<p>A $9n + 8 = 8n + 15$</p> <p>B $8n + 8 = 15$</p> <p>C $9n - 8 = 10n + 15$</p> <p>D $9n - 15 = 8n + 15$</p> <p>E $9n - 8 = 8n + 15$</p> <p>F $9n + 8 = 10n + 15$</p>
<p>5 Substitute the second variable equation into the first equation to form a single solvable equation</p> $x = 8b - 5$ $x = 6b + 3$ $b = ?$	<p>A $6b - 5 = 6b + 3$</p> <p>B $6b + 5 = 6b + 3$</p> <p>C $5b + 6 = 3$</p> <p>D $8b - 5 = 6b + 3$</p> <p>E $8b - 3 = 6b + 3$</p> <p>F $8b - 5 = 7b + 3$</p>	<p>6 Substitute the second variable equation into the first equation to form a single solvable equation</p> $x = 11m + 6$ $x = 2m + 33$ $m = ?$	<p>A $11m - 33 = 2m + 33$</p> <p>B $6m + 2 = 33$</p> <p>C $11m + 6 = 2m + 33$</p> <p>D $11m - 6 = 6m + 33$</p> <p>E $5m - 6 = 2m + 33$</p> <p>F $5m + 6 = 2m + 33$</p>
<p>7 Substitute the second variable equation into the first equation to form a single solvable equation</p> $c = 8m + 12$ $c = 4m + 36$ $m = ?$	<p>A $8m - 12 = 4m + 36$</p> <p>B $12m + 4 = 36$</p> <p>C $8m + 12 = 4m + 36$</p> <p>D $8m + 12 = 9m + 36$</p> <p>E $8m - 36 = 4m + 36$</p> <p>F $8m - 12 = 9m + 36$</p>	<p>8 Substitute the second variable equation into the first equation to form a single solvable equation</p> $b = 5z + 10$ $b = 3z + 22$ $z = ?$	<p>A $5z - 10 = 9z + 22$</p> <p>B $5z - 22 = 3z + 22$</p> <p>C $8z + 10 = 3z + 22$</p> <p>D $10z + 3 = 22$</p> <p>E $8z - 10 = 3z + 22$</p> <p>F $5z + 10 = 3z + 22$</p>