



## Linear Equation Systems - Simple Variable Substitution To Equation

<p><b>1</b> Substitute the second variable equation into the first equation to form a single solvable equation</p> $8x + 8z = 96$ $z = 5x$ $x = ?$	<p>A</p> $8x + 40x = 96$	<p>B</p> $8x - 4x = 96$	<p><b>2</b> Substitute the second variable equation into the first equation to form a single solvable equation</p> $2n + 12c = 100$ $c = 4n$ $n = ?$	<p>A</p> $2n + 48n = 100$	<p>B</p> $2n + 4n = 100$
	<p>C</p> $8x + 4x = 96$	<p>D</p> $5x + 5 = x$		<p>C</p> $2n + 4 = 100$	<p>D</p> $2n - 5n = 100$
	<p>E</p> $8x + 5 = 96$	<p>F</p> $8x - 5x = 96$		<p>E</p> $5n + 4 = n$	<p>F</p> $2n - 4n = 100$
<p><b>3</b> Substitute the second variable equation into the first equation to form a single solvable equation</p> $6y + 5c = 112$ $c = 10y$ $y = ?$	<p>A</p> $6y + 50y = 112$	<p>B</p> $6y + 10 = 112$	<p><b>4</b> Substitute the second variable equation into the first equation to form a single solvable equation</p> $7d + 3n = 144$ $n = 3d$ $d = ?$	<p>A</p> $7d + 11d = 144$	<p>B</p> $12d + 3 = d$
	<p>C</p> $6y - 4y = 112$	<p>D</p> $5y + 10 = y$		<p>C</p> $7d + 9d = 144$	<p>D</p> $7d - 11d = 144$
	<p>E</p> $6y + 4y = 112$	<p>F</p> $6y - 5y = 112$		<p>E</p> $7d - 12d = 144$	<p>F</p> $7d + 3 = 144$
<p><b>5</b> Substitute the second variable equation into the first equation to form a single solvable equation</p> $8c + 4n = 64$ $n = 2c$ $c = ?$	<p>A</p> $8c + 8c = 64$	<p>B</p> $8c + 2 = 64$	<p><b>6</b> Substitute the second variable equation into the first equation to form a single solvable equation</p> $3y + 3p = 96$ $p = 7y$ $y = ?$	<p>A</p> $3y - 7y = 96$	<p>B</p> $3y + 7 = 96$
	<p>C</p> $7c + 2 = c$	<p>D</p> $8c + 6c = 64$		<p>C</p> $3y + 21y = 96$	<p>D</p> $3y + 6y = 96$
	<p>E</p> $8c - 7c = 64$	<p>F</p> $8c - 6c = 64$		<p>E</p> $7y + 7 = y$	<p>F</p> $3y - 6y = 96$
<p><b>7</b> Substitute the second variable equation into the first equation to form a single solvable equation</p> $4x + 10r = 136$ $r = 3x$ $x = ?$	<p>A</p> $4x + 3 = 136$	<p>B</p> $4x + 30x = 136$	<p><b>8</b> Substitute the second variable equation into the first equation to form a single solvable equation</p> $3b + 2p = 49$ $p = 2b$ $b = ?$	<p>A</p> $3b + 4b = 49$	<p>B</p> $3b - 9b = 49$
	<p>C</p> $4x + 6x = 136$	<p>D</p> $4x - 6x = 136$		<p>C</p> $3b + 2 = 49$	<p>D</p> $3b + 9b = 49$
	<p>E</p> $4x - 7x = 136$	<p>F</p> $7x + 3 = x$		<p>E</p> $3b - 10b = 49$	<p>F</p> $10b + 2 = b$