



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> $2q + 3m = 112$ $m = 4q$ $q = ?$	<p>A $2q + 4 = 112$</p>	<p>B $2q + 10q = 112$</p>	<p>2 Substitute the second variable equation into the first equation to form a single solvable equation</p> $8n + 4q = 104$ $q = 11n$ $n = ?$	<p>A $8n + 11 = 104$</p>	<p>B $8n - 4n = 104$</p>
	<p>C $2q - 10q = 112$</p>	<p>D $2q - 11q = 112$</p>		<p>C $8n - 5n = 104$</p>	<p>D $8n + 44n = 104$</p>
	<p>E $11q + 4 = q$</p>	<p>F $2q + 12q = 112$</p>		<p>E $5n + 11 = n$</p>	<p>F $8n + 4n = 104$</p>
<p>3 Substitute the second variable equation into the first equation to form a single solvable equation</p> $5r + 2q = 30$ $q = 5r$ $r = ?$	<p>A $5r + 4r = 30$</p>	<p>B $5r + 5 = 30$</p>	<p>4 Substitute the second variable equation into the first equation to form a single solvable equation</p> $4r + 5m = 145$ $m = 5r$ $r = ?$	<p>A $4r + 7r = 145$</p>	<p>B $8r + 5 = r$</p>
	<p>C $5r - 5r = 30$</p>	<p>D $5r + 5 = r$</p>		<p>C $4r + 5 = 145$</p>	<p>D $4r - 8r = 145$</p>
	<p>E $5r - 4r = 30$</p>	<p>F $5r + 10r = 30$</p>		<p>E $4r + 25r = 145$</p>	<p>F $4r - 7r = 145$</p>
<p>5 Substitute the second variable equation into the first equation to form a single solvable equation</p> $9p + 2z = 147$ $z = 6p$ $p = ?$	<p>A $10p + 6 = p$</p>	<p>B $9p + 6 = 147$</p>	<p>6 Substitute the second variable equation into the first equation to form a single solvable equation</p> $9y + 2x = 60$ $x = 3y$ $y = ?$	<p>A $9y + 6y = 60$</p>	<p>B $9y - 7y = 60$</p>
	<p>C $9p + 9p = 147$</p>	<p>D $9p - 9p = 147$</p>		<p>C $9y - 6y = 60$</p>	<p>D $7y + 3 = y$</p>
	<p>E $9p - 10p = 147$</p>	<p>F $9p + 12p = 147$</p>		<p>E $9y + 3 = 60$</p>	
<p>7 Substitute the second variable equation into the first equation to form a single solvable equation</p> $9w + 2z = 39$ $z = 2w$ $w = ?$	<p>A $9w + 2 = 39$</p>	<p>B $9w - 5w = 39$</p>	<p>8 Substitute the second variable equation into the first equation to form a single solvable equation</p> $5x + 5q = 150$ $q = 9x$ $x = ?$	<p>A $5x - 5x = 150$</p>	<p>B $5x + 45x = 150$</p>
	<p>C $6w + 2 = w$</p>	<p>D $9w - 6w = 39$</p>		<p>C $5x + 5x = 150$</p>	<p>D $6x + 9 = x$</p>
	<p>E $9w + 4w = 39$</p>	<p>F $9w + 5w = 39$</p>		<p>E $5x + 9 = 150$</p>	<p>F $5x - 6x = 150$</p>