



Linear Equation Systems - Simple Variable Substitution

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|---|------------------|-------------------|-------------------|--|------------------------|-----------------------|------------------------|
| <p>1 Solve for the variable by substituting the second equation into the first</p> $x = 5t + 10$ $x = 4t + 14$ $t = ?$ | <p>A</p> $t = 5$ | <p>B</p> $t = 4$ | <p>C</p> $t = 6$ | <p>2 Solve for the variable by substituting the second equation into the first</p> $r = 9y + 9$ $r = 2y + 44$ $y = ?$ | <p>A</p> $y = 3$ | <p>B</p> $y = 4$ | <p>C</p> $y = 5$ |
| <p>3 Solve for the variable by substituting the second equation into the first</p> $x = 12q - 12$ $x = 4q + 28$ $q = ?$ | <p>A</p> $q = 8$ | <p>B</p> $q = 6$ | <p>C</p> $q = 7$ | <p>4 Solve for the variable by substituting the second equation into the first</p> $w = 12z + 9$ $w = 8z + 25$ $z = ?$ | <p>A</p> $z = 7$ | <p>B</p> $z = 2$ | <p>C</p> $z = 5$ |
| <p>5 Solve for the variable by substituting the second equation into the first</p> $z = 11t + 6$ $z = 8t + 30$ $t = ?$ | <p>A</p> $t = 9$ | <p>B</p> $t = 11$ | <p>C</p> $t = 10$ | <p>6 Solve for the variable by substituting the second equation into the first</p> $p = 11t + 9$ $p = 6t + 49$ $t = ?$ | <p>A</p> $t = 11$ | <p>B</p> $t = 6$ | <p>C</p> $t = 7$ |
| <p>7 Solve for the variable by substituting the second equation into the first</p> $r = 5x + 11$ $r = 2x + 23$ $x = ?$ | <p>A</p> $x = 4$ | <p>B</p> $x = 3$ | <p>C</p> $x = 5$ | <p>8 Solve for the variable by substituting the second equation into the first</p> $p = 11n - 4$ $p = 9n + 4$ $n = ?$ | <p>A</p> $n = 4$ | <p>B</p> $n = 5$ | <p>C</p> $n = 2$ |
| | <p>D</p> $t = 7$ | <p>E</p> $t = 2$ | <p>F</p> $t = 3$ | | <p>D</p> $y = 8$ | <p>E</p> $y = 6$ | <p>F</p> $y = 7$ |
| | <p>D</p> $q = 5$ | <p>E</p> $q = 3$ | <p>F</p> $q = 4$ | | <p>D</p> $z = 4$ | <p>E</p> $z = 6$ | <p>F</p> $z = 3$ |
| | <p>D</p> $t = 8$ | <p>E</p> $t = 7$ | <p>F</p> $t = 6$ | | <p>D</p> $t = 8$ | <p>E</p> $t = 10$ | <p>F</p> $t = 9$ |
| | <p>D</p> $t = 7$ | <p>E</p> $t = 2$ | <p>F</p> $t = 3$ | | <p>D</p> $r = 2y + 44$ | <p>E</p> $r = 9y + 9$ | <p>F</p> $r = 2y + 44$ |