

Systems of Equations - Substitution Method

Solve each system of equations using substitution method.

1) $w + 3x + 2y = 22$
 $-x = 18 - 5w - 4y$
 $-7w + 2x = -21 + 5y$

2) $-2s + 4 = 3t - u$
 $s = 6t - 3u - 17$
 $6 = 9t - 4s + u$

3) $u + v + w - 1 =$
 $3u + 2v = w - 3$
 $-8v + 23 = 5u +$

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5) $5s - 3r + 2t = -$
 $11 = 6r + 3s - t$
 $-7s = 10 + 9r +$

7) $10x + 7y = 45 - 3z$
 $-2y + z - x + 11 = 0$
 $6x - 5y = 35 - 2z$

8) $-3c = 29 - b + d$
 $5b - c + d = 19$
 $2d = 30 + 4c + 3b$