

Systems of Equations

Use the best method to solve each system of equations.

1) $5s + 2t - u - 13 = 0$
 $2s - 6t + 9u - 25 = 0$
 $-4s + 3t - 8u + 36 = 0$

2) $-b - c = -25 + 3a$
 $6a + c = 10 + 5b$
 $2a + b + 3c = 14$

3) $-4p = -8 + 9q - 4t$
 $2p = 8 - 6q + 3t$
 $8p = 1 + 3q + 7t$

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5) $3u + 2v = 11 - 4d$
 $9u + 8v = 28 + 4d$
 $-3u - 2v = -2 - 4d$

7) $4x - 3y + 7z + 23 = 0$
 $3x + 2y + 9z + 46 = 0$
 $9x - 5y + 41 = -6z$

8) $2v - w + 4x = -42$
 $-42 = 5v + 2w + 7x$
 $-7v - 3w - 9x = 50$