

Systems of Equations

Use the best method to solve each system of equations.

1) $6a - 7b = -30 - 9c$
 $4a - 5c = -7 - 3b$
 $-8b + 2c = -47 - 2a$

2) $5s - 8t + 5u + 27 = 0$
 $-6t - 4u = -48 - 2s$
 $-t + 9u = 37 - 4s$

3) $r - 2s + t = 0$
 $2r + 4s - 3t = 1$
 $-8r - 5s + 6t =$

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5) $6v + 3w + 9x =$
 $-7 = 5v + 2w +$
 $-8v + 6w = -15$

7) $d = 10 - 6b - 4c$
 $4b - 7c + 9d - 18 = 0$
 $5b + c + 3d = 12$

8) $3u + 4v + 8w + 16 = 0$
 $-9w = 18 + 5u - 2v$
 $u + 3v + 4w = -10$