Elementary Algebra Skill

Solving a System of Two Linear Equations in Two Variables by Addition

Solve each system by addition.

1) $3x - 2y = -1$
$-3x + 3y = -9$

2) $-x + 4y = 13$
$x - 4y = -10$

3) $7x + 9y = 27$
$9x + 9y = 27$

4) $-5x + 5y = 0$
$-5x + 3y = 8$

5) $4x - 3y = 2$
$-8x - 4y = 16$

6) $-5x - 5y = 25$
$15x + 8y = -26$

7) $6x - 3y = 9$
$-8x + 5y = -11$

8) $2x - 3y = 3$
$-5x + 8y = -8$

Answers to Solving a System of Two Linear Equations in Two Variables by Addition

1) $(-7, -10)$ 2) No solution   3) $(0, 3)$ 4) $(-4, -4)$

5) $(-1, -2)$ 6) $(2, -7)$ 7) $(2, 1)$ 8) $(0, -1)$