

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) $(0, -1)$