

Elimination Worksheet

Solve using elimination.

1) $-4x - 2y = -12$
 $4x + 8y = -24$

2) $4x + 8y = 20$
 $-4x + 2y = -30$

3) $x - y = 11$
 $2x + y = 19$

4) $-6x + 5y = 1$
 $6x + 4y = -10$

5) $-2x - 9y = -25$
 $-4x - 9y = -23$

6) $8x + y = -16$
 $-3x + y = -5$

7) $3x - 9y = -30$
 $3x + 4y = 22$

8) $-6x + y = 23$
 $4x + y = -7$

9) $5x + y = 9$
 $10x - 7y = -18$

10) $-4x + 9y = 9$
 $x - 3y = -6$

Extension:

1) $5x + 4y = -30$
 $3x - 9y = -18$

2) Write a system of equations for the following situation.

Kim spend \$56 on eating utensils. Spoons cost \$6 and forks cost \$5. If she bought a total of 10 utensils, then how many of each kind did she buy?