Alg Name_____

4-3 System of Equations - Elimination Method (ver1)_hw

Period____

Solve each system by elimination.

1) $-x - 2y = 4$
$-4x + 2y = 6$

2) $-5x - 10y = 10$
$5x + 8y = -12$

3) $3x - y = 8$
$6x + y = 10$

4) $3x + 4y = 8$
$-3x - 5y = -13$

5) $-7x + 8y = 14$
$-7x - 8y = 14$

6) $-2x - 3y = 8$
$2x + 3y = -8$

7) $3x + 7y = 14$
$-3x - 7y = -18$

8) $10x - 5y = -5$
$-10x + 3y = -9$

9) $4y - 2x = -2$
$2x + y = -8$

10) $-7x + 8y = 8$
$-8y + 5x = -24$

11) $-6x - 4y = -12$
$-8y + 6x = 12$

12) $-2x - 2y = 6$
$-8y = 14 - 2x$

Answers to 4-3 System of Equations - Elimination Method (ver1)_hw

1) $(-2, -1)$
2) $(-4, 1)$
3) $(2, -2)$
4) $(-4, 5)$
5) $(-2, 0)$
6) Infinite number of solutions
7) No solution
8) $(3, 7)$
9) $(-3, -2)$
10) $(8, 8)$
11) $(2, 0)$
12) $(-1, -2)$