Alg Name_____

4-2 System of Equations - Substitution Method (ver2)_hw

Period____

Solve each system by substitution.

1) $-2x - 2y = 10$
$y = 4x$

2) $y = -3x + 3$
$3x + 4y = 3$

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

4) $x + 3y = -6$
$-2x + 2y = 4$

5) $8x - 2y = -4$
$-4x + y = 2$

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

7) $x + 2y = 12$
$4x - 4y = 0$

8) $4x + 2y = 6$
$x - 2y = 9$

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

10) $-4x + y = -3$
$4x - y = -1$

11) $-3x + 3y = 0$
$x + 4y = -5$

12) $x + 3y = -10$
$2x + 3y = -11$

Answers to System of Equations - Substitution Method (ver2)_hw

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