Alg Name_____

4-2 System of Equations - Substitution Method (ver1)_hw

Period____

Solve each system by substitution.

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

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

3) $-x - 3y = -9$
$y = 4$

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

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

6) $y = -4x - 9$
$y = -1$

7) $y = x$
$y = -3x - 4$

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

9) $y = 3x - 1$
$3x + 4y = 11$

10) $-3x - 3y = 12$
$y = x - 4$

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

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

13) $-6x - 2y = -3$
$y = -3x + 1$

14) $y = -5x + 1$
$-3x - 5y = -5$

15) $3x - y = -8$
$y = 2x + 5$

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

Answers to System of Equations - Substitution Method (ver1)_hw

1) $(4, 2)$
2) $(-1, -2)$
3) $(-3, 4)$
4) $(1, 3)$
5) $(2, 3)$
6) $(-2, -1)$
7) $(-1, -1)$
8) $(-2, 1)$
9) $(1, 2)$
10) $(0, -4)$
11) $(1, 1)$
12) $(3, -4)$
13) No solution
14) $(0, 1)$
15) $(-3, -1)$
16) No solution