Keystone Algebra 1 Name_____

Solving Systems by Substitution Practice

Date_____ Period____

Solve each system by substitution.

1) $y = 5x + 13$
$y = -2x + 6$

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

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

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

5) $y = 3x + 17$
$-2x - 2y = 22$

6) $-2x + 5y = -7$
$y = -6x + 5$

7) $4x - 4y = 12$
$x - 6y = -7$

8) $-3x - 3y = 6$
$8x + y = -23$

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

10) $-5x - 6y = -6$
$4x - 8y = -8$

11) $y = -5x - 3$
$-3x - 3y = -15$

12) $-2x + 3y = -5$
$y = 2x + 9$

13) $4x + y = 23$
$2x + 5y = 7$

14) $4x + 4y = -24$
$x - y = -4$

15) $y = -5x + 13$
$y = -3x + 11$

16) $y = -4x + 3$
$y = 2x + 9$

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1) $y = 5x + 13$
$y = -2x + 6$

$(-1, 8)$

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

$(-1, -8)$

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

$(-1, -6)$

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

$(1, 0)$

5) $y = 3x + 17$
$-2x - 2y = 22$

$(-7, -4)$

6) $-2x + 5y = -7$
$y = -6x + 5$

$(1, -1)$

7) $4x - 4y = 12$
$x - 6y = -7$

$(5, 2)$

8) $-3x - 3y = 6$
$8x + y = -23$

$(-3, 1)$

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

$(-7, 8)$

10) $-5x - 6y = -6$
$4x - 8y = -8$

$(0, 1)$

11) $y = -5x - 3$
$-3x - 3y = -15$

$(-2, 7)$

12) $-2x + 3y = -5$
$y = 2x + 9$

$(-8, -7)$

13) $4x + y = 23$
$2x + 5y = 7$

$(6, -1)$

14) $4x + 4y = -24$
$x - y = -4$

$(-5, -1)$

15) $y = -5x + 13$
$y = -3x + 11$

$(1, 8)$

16) $y = -4x + 3$
$y = 2x + 9$

$(-1, 7)$