Solving Systems of Equations by Substitution

Date_____ Period____

Solve each system by substitution.

1) $y = 7x - 10$
$y = -3$

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

3) $y = 6x$
$y = 5x + 7$

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

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

6) $y = 8x - 9$
$y = 7$

7) $y = 6x - 14$
$y = -8x$

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

9) $y = -8x$
$2x + 4y = 0$

10) $6x + 7y = 20$
$y = 2x$

11) $-3x - 5y = 6$
$y = -3$

12) $6x - 5y = 22$
$y = -8$

13) $y = 2x$
$3x + 3y = -18$

14) $y = 8x$
$-5x - 5y = 0$

15) $y = -3$
$-5x - 3y = 14$

16) $y = 3x$
$-3x - y = -24$

Solving Systems of Equations by Substitution

Date_____ Period____

Solve each system by substitution.

1) $y = 7x - 10$
$y = -3$

$(1, -3)$

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

$(-2, -8)$

3) $y = 6x$
$y = 5x + 7$

$(7, 42)$

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

$(2, 9)$

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

$(4, -4)$

6) $y = 8x - 9$
$y = 7$

$(2, 7)$

7) $y = 6x - 14$
$y = -8x$

$(1, -8)$

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

$(-5, -25)$

9) $y = -8x$
$2x + 4y = 0$

$(0, 0)$

10) $6x + 7y = 20$
$y = 2x$

$(1, 2)$

11) $-3x - 5y = 6$
$y = -3$

$(3, -3)$

12) $6x - 5y = 22$
$y = -8$

$(-3, -8)$

13) $y = 2x$
$3x + 3y = -18$

$(-2, -4)$

14) $y = 8x$
$-5x - 5y = 0$

$(0, 0)$

15) $y = -3$
$-5x - 3y = 14$

$(-1, -3)$

16) $y = 3x$
$-3x - y = -24$

$(4, 12)$