Algebra 1 Name_____

Solving systems by substitution #2

Date_____ Period____

Solve each system by substitution.

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

2) $-5x + 2y = 6$
$y = 8x + 3$

3) $y = -5x - 7$
$5x + 2y = -14$

4) $-8x + 4y = -4$
$y = 8x + 17$

5) $8x + 2y = 22$
$-4x + y = -5$

6) $-5x - 3y = 24$
$-2x + y = -8$

7) $-8x + 5y = -17$
$x + 3y = 13$

8) $7x + y = -10$
$-6x + 6y = -12$

9) $2x + y = -12$
$-2x - 7y = -12$

10) $-3x + y = -10$
$-5x - 6y = -9$

11) $-6x - 6y = 12$
$-5x + y = 10$

12) $x - 2y = -12$
$-3x + 4y = 24$

13) $x + 5y = -3$
$-8x - 5y = 24$

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

15) $-5x - 8y = 24$
$x + 5y = 2$

16) $3x + y = 0$
$9x + 3y = 4$