Algebra 2 Name_____

Solving Systems of Equations by Substitution (version 2)

Period____

Solve each system by substitution.

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

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

3) $y = -7x - 4$
$-14x - 2y = -8$

4) $-3x - 8y = 24$
$y = 6x - 3$

5) $y = x - 11$
$5x + 4y = 10$

6) $3x + 3y = -12$
$y = 4x - 19$

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

8) $y = -3x - 2$
$8x + 7y = 12$

9) $x + 3y = -17$
$5x - 2y = 0$

10) $-5x + 7y = 10$
$-5x + y = 10$

11) $4x + 3y = 10$
$x - 2y = 19$

12) $x + 2y = 7$
$-6x + 8y = 18$

13) $6x - 5y = 7$
$x + 7y = 9$

14) $x - 7y = -2$
$-x - 3y = -8$

15) $x + 5y = 4$
$-5x + 3y = -20$

16) $-8x + 3y = 24$
$2x + y = 8$