Algebra 1 Name_____

Solving systems by substitution #1

Date_____ Period____

Solve each system by substitution.

1) $5x + 6y = -1$
$y = -4x - 16$

2) $6x - 3y = 18$
$y = x - 2$

3) $7x - 4y = -5$
$y = 5x - 2$

4) $-6x + 6y = 0$
$y = -8x + 18$

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

6) $8x + 2y = -10$
$y = 5x + 22$

7) $-5x - y = 1$
$5x + y = -1$

8) $-3x + y = 8$
$-5x - 7y = 22$

9) $-3x - y = -12$
$5x + y = 16$

10) $x + 4y = 22$
$3x + 3y = 3$

11) $3x + y = 1$
$8x - 2y = -2$

12) $5x + y = 11$
$3x - 7y = -1$