Name:_____ Period:_____ Score :_____

7-4 HW – Review of Substitution & Elimination

Solve the system by elimination.

1. $-4x - 2y = -12$
   $4x + 8y = -24$

4. $-6x + 6y = 6$
   $-6x + 3y = -12$

2. $x - y = 11$
   $2x + y = 19$

5. $5x + y = 9$
   $10x - 7y = -18$

3. $-2x - 9y = -25$
   $-4x - 9y = -23$

6. $-7x + y = -19$
   $-2x + 3y = -19$

Solve the system by substitution.

7. $y = 6x - 11$
   $-2x - 3y = -7$

10. $-3x - 3y = 3$
    $y = -5x - 17$

8. $2x - 3y = -1$
   $y = x - 1$

11. $y = -2$
    $4x - 3y = 18$

9. $y = -3x + 5$
   $5x - 4y = -3$

12. $y = 5x - 7$
    $-3x - 2y = -12$

Choose what method you would use!
Solve using any method. Attach graph paper if you solve by graphing.

13. $y = 5x + 1$
$4x + y = 10$

16. $y = 2x - 17$
$y = x - 10$

14. $-1 = 2x - y$
$8x - 4y = 8$

17. $-5x + 4y = 20$
$10x - 8y = -40$

15. $-3x - 8y = -24$
$3x - 5y = 4.5$

18. $y = 0.5x$
$y = x + 2$