

Name: _____ Period: _____ Score : _____

7-4 HW – Review of Substitution & Elimination

Solve the system by elimination.

$$\begin{array}{l} 1. \quad -4x - 2y = -12 \\ \quad 4x + 8y = -24 \end{array}$$

$$\begin{array}{l} 4. \quad -6x + 6y = 6 \\ \quad -6x + 3y = -12 \end{array}$$

$$\begin{array}{l} 2. \quad x - y = 11 \\ \quad 2x + y = 19 \end{array}$$

$$\begin{array}{l} 5. \quad 5x + y = 9 \\ \quad 10x - 7y = -18 \end{array}$$

$$\begin{array}{l} 3. \quad -2x - 9y = -25 \\ \quad -4x - 9y = -23 \end{array}$$

$$\begin{array}{l} 6. \quad -7x + y = -19 \\ \quad -2x + 3y = -19 \end{array}$$

Solve the system by substitution.

$$\begin{array}{l} 7. \quad y = 6x - 11 \\ \quad -2x - 3y = -7 \end{array}$$

$$\begin{array}{l} 10. \quad -3x - 3y = 3 \\ \quad y = -5x - 17 \end{array}$$

$$\begin{array}{l} 8. \quad 2x - 3y = -1 \\ \quad y = x - 1 \end{array}$$

$$\begin{array}{l} 11. \quad y = -2 \\ \quad 4x - 3y = 18 \end{array}$$

$$\begin{array}{l} 9. \quad y = -3x + 5 \\ \quad 5x - 4y = -3 \end{array}$$

$$\begin{array}{l} 12. \quad y = 5x - 7 \\ \quad -3x - 2y = -12 \end{array}$$

Choose what method you would use!

Solve using any method. Attach graph paper if you solve by graphing.

$$13. \begin{aligned} y &= 5x + 1 \\ 4x + y &= 10 \end{aligned}$$

$$16. \begin{aligned} y &= 2x - 17 \\ y &= x - 10 \end{aligned}$$

$$14. \begin{aligned} -1 &= 2x - y \\ 8x - 4y &= 8 \end{aligned}$$

$$17. \begin{aligned} -5x + 4y &= 20 \\ 10x - 8y &= -40 \end{aligned}$$

$$15. \begin{aligned} -3x - 8y &= -24 \\ 3x - 5y &= 4.5 \end{aligned}$$

$$18. \begin{aligned} y &= 0.5x \\ y &= x + 2 \end{aligned}$$