

Name _____ Date _____ Hour _____

SYSTEM OF EQUATIONS-ELIMINATION-EXTRA PRACTICE

Directions: Solve each system of equations below by *eliminating* a variable from each system. In order to eliminate a variable, you may have to multiply one equation by -1.

1) $-2x - 8y = 10$

$2x - 6y = 18$

2) $-5x - 4y = -15$

$-x + 4y = -3$

3) $-2x + 9y = -4$

$2x + 3y = -20$

$x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

$x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

$x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

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

$4x - 2y = -2$

5) $2x + 5y = 0$

$x + 5y = -10$

6) $7x + 8y = 20$

$7x - y = 29$

$x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

$x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

$x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

7) $-4x + y = 9$

$-4x + 9y = 17$

8) $-3x - y = 8$

$-8x - y = 23$

9) $-5x - 4y = -11$

$-4x + 4y = 20$

$x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

$x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

$x = \underline{\hspace{2cm}}$ $y = \underline{\hspace{2cm}}$

$$10) \quad -6x - y = -1$$

$$6x + 6y = -24$$

$$11) \quad 5x + 5y = 5$$

$$-8x - 5y = -11$$

$$12) \quad 4x + 5y = -10$$

$$-4x - 3y = 14$$

$$x = \underline{\hspace{2cm}} \quad y = \underline{\hspace{2cm}}$$

$$x = \underline{\hspace{2cm}} \quad y = \underline{\hspace{2cm}}$$

$$x = \underline{\hspace{2cm}} \quad y = \underline{\hspace{2cm}}$$

$$13) \quad -10x - 8y = 30$$

$$-10x + 5y = 30$$

$$14) \quad -9x + 2y = -24$$

$$-x + 2y = 8$$

$$15) \quad 3x - 2y = -6$$

$$x - 2y = -10$$

$$x = \underline{\hspace{2cm}} \quad y = \underline{\hspace{2cm}}$$

$$x = \underline{\hspace{2cm}} \quad y = \underline{\hspace{2cm}}$$

$$x = \underline{\hspace{2cm}} \quad y = \underline{\hspace{2cm}}$$

$$16) \quad 7x - 9y = 5$$

$$-4x - 9y = -17$$

$$17) \quad 3x + 3y = -9$$

$$5x + 3y = -11$$

$$18) \quad -5x + 3y = 12$$

$$-3x + 3y = 24$$

$$x = \underline{\hspace{2cm}} \quad y = \underline{\hspace{2cm}}$$

$$x = \underline{\hspace{2cm}} \quad y = \underline{\hspace{2cm}}$$

$$x = \underline{\hspace{2cm}} \quad y = \underline{\hspace{2cm}}$$