

## 6.3 ELIMINATION - Part 1

Name: \_\_\_\_\_

Solve Using Elimination

$$\begin{array}{l} 1) -3x + 8y = 7 \\ -9x + 6y = -15 \end{array} \quad (3, 2)$$

$$\begin{array}{l} 2) -x + 6y = 18 \\ -4x - 2y = -6 \end{array} \quad (0, 3)$$

$$\begin{array}{l} 3) 5x + 16y = -11 \\ 8x - 8y = 16 \end{array} \quad (1, -1)$$

$$\begin{array}{l} 4) x - 5y = -8 \\ 5x - 2y = 6 \end{array} \quad (2, 2)$$

$$\begin{array}{l} 5) 5x - 16y = -16 \\ 2x - 8y = -8 \end{array} \quad (0, 1)$$

$$\begin{array}{l} 6) -4x - 7y = 18 \\ 3x + 4y = -6 \end{array} \quad (6, -6)$$

$$\begin{array}{l} 7) -7x + 5y = -23 \\ 3x - 2y = 9 \end{array} \quad (-1, -6)$$

$$\begin{array}{l} 8) -8x - 3y = 16 \\ 6x + 4y = 2 \end{array} \quad (-5, 8)$$

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|---|------------|--|-----------|
| 9) $5x + 4y = 7$<br>$7x + 5y = 5$       | $(-5, 8)$  | 10) $-2x + 3y = 4$<br>$-3x + 5y = 7$   | $(1, 2)$  |
| 11) $5x - 7y = 14$<br>$-6x + 8y = -14$  | $(-7, -7)$ | 12) $-3x - 5y = 10$<br>$-7x - 3y = 6$  | $(0, -2)$ |
| 13) $-8x - 5y = 13$<br>$-6x - 8y = -20$ | $(-6, 7)$  | 14) $-7x - 7y = -7$<br>$4x + 6y = 12$  | $(-3, 4)$ |
| 15) $-2x + 3y = 16$<br>$3x - 4y = -21$  | $(1, 6)$   | 16) $8x + 5y = -12$<br>$-6x - 2y = 2$  | $(1, -4)$ |
| 17) $-6x - 5y = 8$<br>$4x + 4y = -8$    | $(2, -4)$  | 18) $-3x - 6y = -24$<br>$2x + 7y = 22$ | $(4, 2)$  |