

2.4.D1(C) – SOLVING SYSTEMS OF EQUATIONS: ELIMINATION METHOD

Solve the system of linear equations algebraically. Write your solution as an ordered pair (x, y) . If the system has no solution or infinitely many solutions, then so state. **work must Be shown to receive Credit.**

$$\begin{aligned} 1) \quad & -3x - 4y = 24 \\ & 5x + 4y = -16 \end{aligned}$$

$$\begin{aligned} 2) \quad & x + 7y = 0 \\ & -3x + 7y = -28 \end{aligned}$$

$$\begin{aligned} 3) \quad & 10x - 9y = 6 \\ & -20x + 18y = -12 \end{aligned}$$

$$\begin{aligned} 4) \quad & -14x + 7y = 21 \\ & -7x - y = 15 \end{aligned}$$

$$\begin{aligned} 5) \quad & -8x + 7y = 3 \\ & -6x + 5y = 1 \end{aligned}$$

$$\begin{aligned} 6) \quad & 4x - 2y = -18 \\ & -2x - 2y = -6 \end{aligned}$$

$$\begin{aligned} 7) \quad & -4x + 2y = -19 \\ & 8x - 4y = 20 \end{aligned}$$

$$\begin{aligned} 8) \quad & -8x - 3y = -11 \\ & 9x + 2y = 22 \end{aligned}$$

$$\begin{aligned} 9) \quad & 10x - 3y = -9 \\ & 3x - 2y = 5 \end{aligned}$$

$$\begin{aligned} 10) \quad & -26x + 22y = -35 \\ & 13x - 11y = 13 \end{aligned}$$