

## Solving Systems of Equations by Elimination – Day 3

Unit 4: Systems

Solve each of the following systems by using ELIMINATION:

1. $2x + 5y = 13$ $-2x + 2y = -20$	2. $3x + 9y = 18$ $-2x - 9y = -27$
3. $-x + 2y = 10$ $x - 2y = -9$	4. $2x + 5y = 22$ $-2x - 5y = -25$
5. $-5x + 5y = -21$ $5x - 5y = 30$	6. $-8x + 4y = 8$ $-3x + 4y = -7$
7. $-5x - 6y = -26$ $-4x - 6y = -22$	8. $9x + 10y = 6$ $9x + 10y = 6$
9. $-2x - 3y = 16$ $-2x - 6y = 28$	10. $7x + 7y = 0$ $7x + 4y = -3$

$$\begin{aligned} 11. \quad & -12x - 18y = 24 \\ & 4x + 6y = -8 \end{aligned}$$

$$\begin{aligned} 12. \quad & -6x + 5y = 2 \\ & -12x + 10y = 4 \end{aligned}$$

$$\begin{aligned} 13. \quad & 5x + 8y = 10 \\ & 7x - 16y = 14 \end{aligned}$$

$$\begin{aligned} 14. \quad & -8x + 14y = 24 \\ & 4x - 7y = -12 \end{aligned}$$

$$\begin{aligned} 15. \quad & -7x + 4y = 25 \\ & -5x + y = 3 \end{aligned}$$

$$\begin{aligned} 16. \quad & -2x + 5y = 7 \\ & -9x - 8y = 1 \end{aligned}$$

$$\begin{aligned} 17. \quad & -70x - 63y = -7 \\ & 30x + 27y = 3 \end{aligned}$$

$$\begin{aligned} 18. \quad & 3x + 3y = -24 \\ & 2x - 10y = 20 \end{aligned}$$

$$\begin{aligned} 19. \quad & -6x - 8y = -20 \\ & -7x - 10y = -28 \end{aligned}$$

$$\begin{aligned} 20. \quad & 9x - 9y = -27 \\ & 10x + 5y = -15 \end{aligned}$$