

## Solving Systems of Equations by Elimination – Day 5

Unit 4: Systems

Solve each of the following systems by using ELIMINATION:

1. $6x + 9y = -3$ $-6x - 9y = 9$	2. $3x - 6y = -13$ $-3x + 6y = 21$
3. $6x + 5y = 28$ $-6x + 8y = -2$	4. $7x + 2y = 19$ $-4x - 2y = -10$
5. $5x - 9y = 30$ $-5x + 6y = -30$	6. $-7x - 9y = 11$ $2x - 9y = 20$
7. $7x - 5y = -3$ $7x - 7y = 7$	8. $9x - 4y = 11$ $-8x - 4y = 28$
9. $7x - y = -9$ $3x - y = -1$	10. $x - 2y = 4$ $x - 10y = -20$

$$\begin{aligned} 11. \quad & 2x + 6y = 18 \\ & -9x - 12y = 9 \end{aligned}$$

$$\begin{aligned} 12. \quad & -10x + 8y = -14 \\ & -5x + 7y = 14 \end{aligned}$$

$$\begin{aligned} 13. \quad & -12x + 7y = -17 \\ & 6x + y = 13 \end{aligned}$$

$$\begin{aligned} 14. \quad & -20x + 7y = 8 \\ & -10x + 8y = 22 \end{aligned}$$

$$\begin{aligned} 15. \quad & -5x - 8y = -24 \\ & -4x - 2y = 16 \end{aligned}$$

$$\begin{aligned} 16. \quad & -3x + 2y = 0 \\ & -2x + 5y = 0 \end{aligned}$$

$$\begin{aligned} 17. \quad & -4x + 6y = -4 \\ & 7x - 9y = 4 \end{aligned}$$

$$\begin{aligned} 18. \quad & 9x + 30y = -6 \\ & 21x + 70y = -14 \end{aligned}$$

$$\begin{aligned} 19. \quad & -6x + 8y = 8 \\ & -5x + 7y = 8 \end{aligned}$$

$$\begin{aligned} 20. \quad & 3x - 8y = 9 \\ & 2x - 9y = 17 \end{aligned}$$