

## Solving Systems of Equations by Elimination – Day 4

Unit 4: Systems

**Solve each of the following systems by using ELIMINATION:**

1. $3x - 5y = 14$ $-9x + 5y = -2$	2. $-8x - 9y = -9$ $8x + 8x = 16$
3. $x - 7y = 12$ $-4x + 7y = 15$	4. $-7x - 6y = 15$ $8x + 6y = -24$
5. $7x + y = -19$ $x - y = -5$	6. $x - 3y = 15$ $x - y = 5$
7. $10x + 7y = -10$ $8x + 7y = -22$	8. $7x + 8y = 28$ $7x - 4y = 28$
9. $6x + 7y = -14$ $8x + 7y = -14$	10. $-9x + 5y = 11$ $-18x + 10y = 22$

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

$$\begin{aligned}12. \quad & 6x + 2y = 4 \\& -2x + 5y = -24\end{aligned}$$

$$\begin{aligned}13. \quad & -x - 20y = 25 \\& 8x - 10y = -30\end{aligned}$$

$$\begin{aligned}14. \quad & 3x + 7y = 25 \\& -6x + 10y = -26\end{aligned}$$

$$\begin{aligned}15. \quad & 14x + 6y = -16 \\& 7x - 4y = -22\end{aligned}$$

$$\begin{aligned}16. \quad & -7x - 3y = 18 \\& -3x + 8y = 17\end{aligned}$$

$$\begin{aligned}17. \quad & 3x + 5y = 14 \\& -2x - 7y = -2\end{aligned}$$

$$\begin{aligned}18. \quad & -9x + 8y = 27 \\& 8x + 9y = -24\end{aligned}$$

$$\begin{aligned}19. \quad & -80x + 90y = 30 \\& 24x - 27y = -9\end{aligned}$$

$$\begin{aligned}20. \quad & 4x + 3y = -21 \\& -3x - 2y = 15\end{aligned}$$