

## Solving Systems of Equations by Elimination – Day 2

Unit 4: Systems

Solve each of the following systems by using ELIMINATION:

1. $-4x - 5y = -15$ $4x + 4y = 16$	2. $4x + 5y = 27$ $-4x - 6y = -30$
3. $-2x + 2y = -14$ $2x - 6y = 10$	4. $8x - 6y = 14$ $-10x + 6y = -28$
5. $5x - 6y = 10$ $-5x + 10y = -10$	6. $-8x + 4y = -12$ $-8x + 5y = -5$
7. $-3x + 8y = 14$ $-3x + 3y = -6$	8. $5x + 2y = -29$ $5x + 6y = 3$
9. $8x + 8y = 8$ $8x + 10y = 24$	10. $-4x - 4y = -12$ $-x - 4y = -6$

$$\begin{aligned}11. \quad -4x + 2y &= 2 \\x + 10y &= -11\end{aligned}$$

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

$$\begin{aligned}13. \quad 16x - 10y &= -12 \\-8x - 6y &= 28\end{aligned}$$

$$\begin{aligned}14. \quad x + 2y &= 5 \\2x - 6y &= 10\end{aligned}$$

$$\begin{aligned}15. \quad -9x - y &= -8 \\18x - 2y &= 20\end{aligned}$$

$$\begin{aligned}16. \quad -7x + 9y &= 12 \\-8x + 10y &= 12\end{aligned}$$

$$\begin{aligned}17. \quad -3x + 7y &= -12 \\-10x + 4y &= 18\end{aligned}$$

$$\begin{aligned}18. \quad -5x + 10y &= 15 \\-8x + 16y &= 24\end{aligned}$$

$$\begin{aligned}19. \quad -5x - 10y &= 25 \\-3x + 4y &= -25\end{aligned}$$

$$\begin{aligned}20. \quad -5x + 5y &= -30 \\-8x - 7y &= -18\end{aligned}$$