

Solving Systems of Equations by Substitution – Day 3

Unit 4: Systems

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

1. $y = -4x + 3$ $y = -2x + 3$	2. $y = -3x + 29$ $y = -2x + 22$
3. $y = 8x + 30$ $y = 3x + 5$	4. $y = 3x + 4$ $y = -7x - 16$
5. $y = 6x + 13$ $y = 4x + 9$	6. $10x - 4y = 28$ $y = 6x - 21$
7. $4x - y = 4$ $y = 4x - 4$	8. $y = 7x + 29$ $-4x - 2y = -4$
9. $-5x - 7y = -6$ $y = 5x - 22$	10. $7x + 6y = 3$ $y = -9x - 23$

$$\begin{aligned} 11. \quad & 9x + 6y = 21 \\ & x - 5y = 25 \end{aligned}$$

$$\begin{aligned} 12. \quad & -7x + y = -7 \\ & -9x - 2y = -9 \end{aligned}$$

$$\begin{aligned} 13. \quad & -8x + 7y = 4 \\ & x - 7y = -25 \end{aligned}$$

$$\begin{aligned} 14. \quad & -10x - 9y = 11 \\ & 9x + y = -17 \end{aligned}$$

$$\begin{aligned} 15. \quad & -5x + 8y = -25 \\ & x + 2y = 5 \end{aligned}$$

$$\begin{aligned} 16. \quad & -8x + 6y = 22 \\ & 5x - 5y = -5 \end{aligned}$$

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

$$\begin{aligned} 18. \quad & -9x - y = -22 \\ & 7x + 7y = -14 \end{aligned}$$

$$\begin{aligned} 19. \quad & 10x + 8y = -12 \\ & -2x + 4y = -20 \end{aligned}$$

$$\begin{aligned} 20. \quad & -2x + 4y = -2 \\ & 5x - 3y = 12 \end{aligned}$$