

Solving Systems of Equations by Substitution – Day 5

Unit 4: Systems

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

1. $y = 4x - 18$ $y = 5x - 22$	2. $y = 4x + 6$ $y = -2x + 6$
3. $y = -8x + 14$ $y = 6x - 28$	4. $y = 4x + 6$ $y = 7x + 18$
5. $y = -5x - 11$ $y = 7x + 13$	6. $6x - 2y = 12$ $y = -5x - 14$
7. $5x - 9y = -21$ $y = -1$	8. $-x + 4y = -9$ $y = -5x + 3$
9. $y = 4x - 2$ $8x - 2y = -5$	10. $4x - 5y = 7$ $y = -5x - 13$

$$\begin{aligned} 11. \quad & 8x - 6y = -26 \\ & x - 3y = -19 \end{aligned}$$

$$\begin{aligned} 12. \quad & 7x + y = -16 \\ & 3x + 5y = 16 \end{aligned}$$

$$\begin{aligned} 13. \quad & -3x - 6y = -3 \\ & x + 2y = 1 \end{aligned}$$

$$\begin{aligned} 14. \quad & x + y = -5 \\ & -x - y = 4 \end{aligned}$$

$$\begin{aligned} 15. \quad & -8x + 7y = 9 \\ & x - 4y = -23 \end{aligned}$$

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

$$\begin{aligned} 17. \quad & -8x - 16y = -7 \\ & -4x - 8y = 6 \end{aligned}$$

$$\begin{aligned} 18. \quad & 2x - 2y = -2 \\ & 7x - 6y = 3 \end{aligned}$$

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

$$\begin{aligned} 20. \quad & -5x - 4y = 20 \\ & 4x + 3y = -15 \end{aligned}$$