Solving Linear Systems
By
The Substitution Method

Solve the system

1. $2x + y = 3$
   $x - y = 3$

2. $3x - y = 6$
   $x + y = -2$

3. $x + y = -4$
   $x - y = 4$

4. $x + 2y = 7$
   $-x + 3y = 13$

5. $x + 4y = -3$
   $-x - y = 3$

6. $x + 2y = 3$
   $-x + y = 0$

7. $3x - y = -2$
   $x + 2y = -3$

8. $x + 3y = 15$
   $4x - y = 8$

9. $x + 4y = 5$
   $3x + y = -7$

10. $x - 2y = 6$
    $x + 5y = -1$

11. $3x + y = -11$
    $x - 2y = 8$

12. $x - 4y = 10$
    $6x + y = -15$

13. $2x + y = 9$
    $3x - 5y = 7$

14. $5x - y = -11$
    $2x + 5y = 1$

15. $x + 3y = 4$
    $2x - 5y = 8$

16. $x - 2y = -2$
    $5x + 3y = -10$

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

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

19. $\begin{aligned} x + 3y &= -9 \\ 2x + 6y &= -18 \end{aligned}$

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

21. $\begin{aligned} 3x - 2y &= -4 \\ 3x - 2y &= 6 \end{aligned}$

22. $\begin{aligned} x - 2y &= -2 \\ x - 2y &= 4 \end{aligned}$

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

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