

**Solving Linear Systems
By
The Addition Method
(Elimination)**

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. $3x + 2y = -4$
$2x + 4y = -8$ | 16. $5x - y = -5$
$2x + 3y = 15$ |
| 17. $4x - 2y = -6$
$3x + 5y = 2$ | 18. $5x + 3y = 2$
$2x - 4y = 6$ |

$$19. \begin{cases} 5x + 3y = 2 \\ 2x - 4y = 6 \end{cases}$$

$$21. \begin{cases} 4x + 3y = -2 \\ 3x + 2y = -1 \end{cases}$$

$$23. \begin{cases} 6x + 2y = 2 \\ 4x + 5y = 16 \end{cases}$$

$$20. \begin{cases} 4x + 3y = -13 \\ 3x - 2y = -22 \end{cases}$$

$$22. \begin{cases} 5x + 2y = 3 \\ 3x + 7y = 25 \end{cases}$$

$$24. \begin{cases} 4x + 2y = 8 \\ 3x + 7y = 28 \end{cases}$$