



In this worksheet you will learn how to factorise quadratic trinomials into the product of two binomials. Each question asks you to factorise a given quadratic expression completely.

Easy Questions

1. Factorise $x^2 + 5x + 6$.
2. Factorise $x^2 - 7x + 12$.
3. Factorise $2x^2 + 7x + 3$.
4. Factorise $x^2 - 4x - 5$.
5. Factorise $x^2 + 8x + 15$.

Intermediate Questions

6. Factorise $3x^2 + 11x + 6$.
7. Factorise $2x^2 - 5x - 3$.
8. Factorise $4x^2 + 12x + 9$.
9. Factorise $6x^2 + 13x + 6$.
10. Factorise $5x^2 - 9x - 2$.
11. Factorise $2x^2 + x - 6$.
12. Factorise $3x^2 - x - 10$.
13. Factorise $6x^2 - x - 15$.
14. Factorise $4x^2 - 4x - 15$.
15. Factorise $5x^2 + 2x - 3$.
16. Factorise $6x^2 + x - 2$.
17. Factorise $8x^2 + 14x + 3$.
18. Factorise $10x^2 - 7x - 12$.
19. Factorise $4x^2 + 11x + 6$.
20. Factorise $3x^2 + 10x + 8$.

Hard Questions

21. Factorise $6x^2 - 5x - 6$.
22. Factorise $2x^2 - 11x + 15$.
23. Factorise $3x^2 - 14x + 15$.
24. Factorise $4x^2 - 7x - 30$.
25. Factorise $5x^2 - 13x + 6$.
26. Factorise $8x^2 - 14x - 15$.
27. Factorise completely $9x^2 + 12x + 4$.
28. Factorise $6x^2 + 5x - 6$.
29. Factorise $4x^2 - 11x + 6$.
30. Factorise $5x^2 + 16x + 12$.