ILLAWARRA
TUTORING

This worksheet will help you learn how to factorise quadratic trinomials into the product of two binomials. Work through each question, showing all your steps.

Easy Questions

1. Factorise $x^2 + 5x + 6$.

2. Factorise $x^2 + 7x + 12$.

3. Factorise $x^2 - 3x - 10$.

4. Factorise $x^2 + x - 12$.

5. Factorise $x^2 - x - 20$.

Intermediate Questions

6. Factorise $2x^2 + 7x + 3$.

7. Factorise $3x^2 + 8x + 4$.

8. Factorise $4x^2 + 11x + 6$.

9. Factorise $2x^2 + 5x + 2$.

10. Factorise $3x^2 - 11x + 6$.

11. Factorise $5x^2 + 13x + 6$.

12. Factorise $6x^2 + 11x + 3$.

13. Factorise $2x^2 - 5x - 3$.

14. Factorise $4x^2 - 4x - 15$.

15. Factorise $3x^2 + 10x + 3$.

16. Factorise $2x^2 - 3x - 5$.

17. Factorise $6x^2 - x - 2$.

18. Factorise $5x^2 - 2x - 3$.

19. Factorise $x^2 + 6x + 9$.

20. Factorise $2x^2 + 3x - 2$.

Hard Questions

21. Factorise $6x^2 + 17x + 5$.

22. Factorise $8x^2 + 10x - 3$.

23. Factorise $9x^2 - 15x + 6$.

24. Factorise $10x^2 + 7x - 12$.

25. Factorise $12x^2 + x - 6$.

26. Factorise $15x^2 + 14x - 8$.

27. Factorise $6x^2 - x - 15$.

28. Factorise $4x^2 + 13x + 3$.

29. Factorise $7x^2 - 5x - 2$.

30. Factorise $10x^2 - 13x + 3$.