

Factoring $ax^2 \pm bx - c$

1. $3x^2 + 4x - 7$

2. $5x^2 + 19x - 4$

3. $5x^2 - x - 4$

4. $6x^2 + x - 2$

5. $3z^2 + z - 2$

6. $8y^2 - y - 9$

7. $10 + y - 2y^2$

8. $x^2 - xy - 56y^2$

9. $9a^2 + 3a - 2$

10. $6 - 23a - 4a^2$

11. $9r^2 - 25rs - 6s^2$

12. $3a^2 + 2a - 5$

13. $3a^2 - 5ab - 12b^2$

14. $25a^2 + 10ab - 3b^2$

15. $20k^2 + 27k - 8$

16. $36d^2 - 5d - 24$

17. $15 - 31a - 24a^2$

18. $2(y+4)^2 - (y+4) - 3$

19. $(x^2 - 1)^2 - 14(x^2 - 1) - 15$

20. $10(a-b)^2 - 11(a-b) - 6$

21. $15k^2 - 35km - 30m^2$

22. $36u^2 - 78u - 30$

23. $6u^2 - 7uv - 20v^2$

24. $54x^2 + 21xy - 20y^2$

25. $3x^2 - 10xy - 8y^2$

26. $2a^2 - 5ab - 12b^2$

27. $2m^2 - m - 10$

28. $2x^2 + 7x - 15$

29. $3x^2 - 10x - 8$

30. $10t^2 - 13t - 77$

31. $20a^2 - 13a - 21$

32. $12a^2 - 8ab - 15b^2$

33. $56m^2 - 19mn - 15n^2$

34. $20x^4 - 37x^2 - 18$

35. $6x^4 - 53x^2 - 9$

36. $20k^2 + 18kl - 35l^2$

37. $28x^2 + 3xy - 6y^2$

38. $12x^4 + 17x^2 - 5$

39. $32x^4 - 2x^2y^2 - 9y^4$

40. $10x^2 - 29xy - 21y^2$