

Factoring Trinomials: $ax^2 + bx + c$

Factor each trinomial. If the trinomial cannot be factored, write prime.

1. $2y^2 + 8y + 6$

2. $2x^2 + 5x + 2$

3. $3a^2 - 4a - 4$

4. $5m^2 - 4m - 1$

5. $2c^2 + 6c - 8$

6. $4q^2 + 2q + 3$

7. $3x^2 - 13x + 4$

8. $4y^2 - 14y + 6$

9. $2b^2 - b - 10$

10. $6a^2 + 8a + 2$

11. $3n^2 + 7n - 6$

12. $3x^2 - 3x - 6$

13. $2c^2 + 3c - 7$

14. $5y^2 - 17y + 6$

15. $2b^2 + 2b - 12$

16. $2x^2 + 10x + 8$

17. $3m^2 - 19m + 6$

18. $4a^2 + 10a - 6$

19. $7b^2 - 16b + 4$

20. $3y^2 - y - 10$

21. $6c^2 + 11c + 4$

22. $10x^2 - x - 2$

23. $12m^2 - 11m + 2$

24. $9y^2 - 3y - 6$

25. $8b^2 + 12b + 4$

26. $6x^2 + 8x - 8$

27. $4n^2 - 14n + 12$

28. $6x^2 + 18x + 12$

29. $4a^2 + 18a - 10$

30. $9y^2 - 15y + 6$