
Factoring Trinomials of the form $ax^2 + bx + c$

Factor completely.

1. $2x^2 + 5x + 3$
2. $2x^2 + 5x + 2$
3. $2y^2 - 13y + 20$
4. $2y^2 + 11y + 15$
5. $2t^2 + 7t - 15$
6. $2t^2 - 9t - 35$
7. $2x^2 + 3x - 20$
8. $2x^2 + 11x - 21$
9. $3y^2 + 13y - 10$
10. $3x^2 + 17x - 20$
11. $3y^2 - 17y - 28$
12. $3y^2 + 13y + 14$
13. $5y^2 - 23y + 24$
14. $5x^2 - 12x - 32$
15. $5y^2 + 17y + 14$
16. $5y^2 + 11y - 12$
17. $4x^2 + 25x + 25$
18. $4y^2 + 5y - 12$
19. $4y^2 + 4y - 15$
20. $4x^2 - 4x - 35$
21. $6x^2 + 7x - 20$
22. $6y^2 + 5y - 21$
23. $8y^2 + 14y - 15$
24. $8x^2 + 6x - 5$
25. $12y^2 - y - 6$
26. $15y^2 + y - 2$
27. $22x^2 - 29x - 6$
28. $20z^2 + 7z - 6$
29. $2x^2 - 1xy - 10y^2$
30. $2x^2 + 11xy + 12y^2$
31. $3x^2 - 28xy + 32y^2$
32. $3x^2 + 13xy - 10y^2$
33. $5x^2 + 27xy + 10y^2$
34. $5x^2 - 6xy - 8y^2$
35. $7x^2 - 10xy + 3y^2$
36. $6x^2 + 7xy - 3y^2$
37. $2x^3 + 5x^2 - 12x$
38. $3x^3 - 19x^2 + 20x$
39. $36x^3 - 12x^2 - 15x$
40. $6x^3 - 10x^2 - 4x$
41. $18x^3 - 21x^2 - 9x$
42. $12t^3 - 10t^2 - 12t$
43. $12t^3 - 22t^2 + 6t$
44. $15t^3 - 18t^2 - 24t$
45. $5x^3y - 10x^2y^2 - 15xy^3$
46. $6x^5y + 25x^4y^2 + 4x^3y^3$
47. $12x^4y^3 + 11x^3y^4 + 2x^2y^5$
48. $12x^3y^3 + 28x^2y^4 + 8xy^5$
49. $-x^3 - 5x^2 - 6x$
50. $-y^3 + 3y^2 - 2y$
51. $-6x^2 - 5x + 6$
52. $-8m^2 + 10mn + 3n^2$