1. $(2x+3)(x-4)$
2. $(a+2)(a-5)$
3. $(3y-1)(2y+7)$
4. $(x-3)(x+4)$
5. $(2a+5)(3a-2)$
6. $(4x-1)(x+2)$
7. $(y+3)(y-6)$
8. $(2a-1)(a+4)$
9. $(x+2)(x-5)$
10. $(3y-2)(4y+1)$
11. $(a-3)(a+6)$
12. $(2x+1)(x-3)$
13. $(4a-2)(2a+5)$
14. $(y-1)(y+4)$
15. (2a + 3b)(4a-3b)
16. $(3y+2)(2y-3)$
17. $(a+5)(a-2)$
18. $(2x-4)(x+3)$
19. $(y-3)(y+6)$
20. $(3a+2)(4a-1)$
21. $(x-2)(x+5)$
22. $(4y-1)(2y+3)$
23. $(a+4)(a-3)$
24. $(2x-1)(x+3)$
25. $(5y-2)(3y+1)$
26. $(a-2)(a+5)$
27. $(3x+1)(2x-4)$
28. $(y+2)(y-7)$
29. $(2a-3)(a+6)$

31. $(4y + 1)(2y - 3)$
32. $(a + 3)(a - 4)$
33. $(2x + 4)(x - 1)$
34. $(y - 2)(y + 5)$
35. $(3a - 2)(4a + 1)$
36. $(x - 1)(x + 2)$
37. $(4y - 3)(2y + 1)$
38. $(a + 2)(a - 3)$
39. $(2x - 5)(x + 3)$
40. $(y + 1)(y - 6)$
41. $(3a + 1)(2a - 4)$
42. $(x - 4)(x + 1)$
43. $(5y - 2)(3y + 4)$
44. $(a - 1)(a + 3)$
45. $(2x + 2)(x - 5)$
46. $(4y + 1)(2y - 2)$
47. $(a + 3)(a - 2)$
48. $(3x - 2)(2x + 5)$
49. $(y - 4)(y + 2)$
50. $(2a + 1)(a - 3)$

1. $(a + b)(x^2 + 2x + 1)$
2. $(2x - 3)(y^2 + 4y - 1)$
3. $(p - 2q)(3p^2 + pq + 1)$
4. $(m + 3)(2m^2 - 5m + 2)$
5. $(2a + b)(4a^2 - 3ab + b^2)$
6. $(x - 1)(y^2 + 3y + 2)$
7. $(3p + q)(2p^2 - 4pq + q^2)$
8. $(m - 2)(5m^2 + 2m - 1)$
9. $(a + 2b)(3a^2 + 2ab - b^2)$
10. $(2x + 1)(y^2 - y + 4)$

1. $(a-b)(2x^2+3x-1)$
2. $(3x+4)(y^2-2y+5)$
3. $(2p-5q)(4p^2+pq+2q^2)$
4. $(m+1)(m^2-3m+2)$
5. $(3a-b)(5a^2+2ab-3b^2)$
6. $(x+2)(y^2+y+1)$
7. $(4p-q)(2p^2+5pq+q^2)$
8. $(m-4)(3m^2+2m+1)$
9. $(a+b)(2a^2+ab+b^2)$
10. $(2x-y)(3y^2+4y-2)$
11. $(a+3b)(x^2-2x+1)$
12. $(2x+1)(2y^2-3y+2)$
13. $(p-q)(2p^2+3pq+q^2)$
14. $(m+2)(m^2-5m+4)$
15. $(3a-2b)(5a^2+ab-3b^2)$
16. $(x+3)(y^2+y+2)$
17. $(4p-q)(3p^2+2pq+q^2)$
18. $(m-2)(5m^2+m-2)$
19. $(a+b)(2a^2+3ab+b^2)$
20. $(2x+2y)(3y^2-4y+1)$

Q21. If the length of a rectangle is 2a+5 meters and the width is 3a−2 meters, find the algebraic expression for the area of the rectangle.

Q22. If the side length is represented by 4c−1, find the algebraic expression for the volume of the cube.

Q23. A farmer has a field with a length given by 6x+2 meters and a width given by 4x−3 meters. Calculate the algebraic expression for the total area of the field.

Q24. The expression 3m−5 represents the profit earned from selling each product, and 2m+4 represents the number of products sold. Find the algebraic expression for the total profit.

Q25. A rectangular prism has dimensions l = 2p+3, b = p−1, and h=3p. Determine the algebraic expression for the volume of the prism.

Q26. The length of a rectangle is n+4, and the width is 2n−1. Calculate the algebraic expression for the area of the rectangle.

Q27. The expression 8s+3 represents the cost of producing each shirt, and 6s−2 represents the number of shirts produced. Find the algebraic expression for the total cost.

Q28. In a triangle b is the base and h is the height. If the base is represented by 3a and the height by 2a+1, find the algebraic expression for the area.

Q29. The expression $7n-3$ represents the revenue from selling each book, and $4n+2$ represents the number of books sold. Find the algebraic expression for the total revenue.

Q30. The length of a rectangle is x^2+3y meters, and the width is x^2-2y meters. Calculate the algebraic expression for the total area of the rectangle.

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