

1. $8a + 8b = 8(a + b)$
2. $6x - 10y = 2(3x - 5y)$
3. $4ax - 12bx = 4x(a - 3b)$
4. $9x^2 + 6xy = 3x(3x + 2y)$
5. $9x^2 - 3xy = 3x(3x - y)$
6. $9x^2 + 3x = 3x(3x + 1)$
7. $12x - 36y + 84z = 12(x - 3y + 7z)$
8. $m - mx + my = m(1 - x + y)$
9. $69x + 92y + 23z = 23(3x + 4y + z)$
10. $32b + 48c - 96d = 16(2b + 3c - 6d)$
11. $ax - ay + 4a = a(x - y + 4)$
12. $10a - 15b + 20c = 5(2a - 3b + 4c)$
13. $ax^3 + bx^2 + cx = x(ax^2 + bx + c)$
14. $6xy - 3y^2 + 5y^3 = y(6x - 3y + 5y^2)$
15. $6bc + 2c^2 = 2c(3b + c)$
16. $3xy - 3x = 3x(y - 1)$
17. $p^3 - 3p^2 = p^2(p - 3)$
18. $5e^4 - 5ef = 5e(e^3 - f)$
19. $4x^2 + 2xy = 2x(2x + y)$
20. $2a^2 + 2ab - 2ac = 2a(a + b - c)$
21. $x^3y + x^2y - xy = xy(x^2 + x - 1)$
22. $21f^2 + 42fg - 35fh = 7f(3f + 6g - 5h)$
23. $42p^2q^2 - 54pq^3 - 72q^4 = 6q^2(7p^2 - 9pq - 12q^2)$
24. $12a^3b - 15a^2b + 22ab^3 = ab(12a^2 - 15a + 22b^2)$

Klammere auch das (-) mit aus.

25. $-b^2 - 2bc = -b(b + 2c)$
26. $-4z^2 - 4z = -4z(z + 1)$
27. $-18a^2 - 27ab - 9a = -9a(2a + 3b + 1)$