

2. Bez

Binome gemischt

Lösungen AB 8

1. $m^2 + 2mn + n^2 = (m + n)(m + n)$
2. $25a^2 + 20ab + 4b^2 = (5a + 2b)(5a + 2b)$
3. $9a^2 - 6a + 1 = (3a - 1)(3a - 1)$
4. $e^2 - f^2 = (e + f)(e - f)$
5. $16c^2 - 1 = (4c + 1)(4c - 1)$
6. $4s^2 - 12st + 9t^2 = (2s - 3t)(2s - 3t)$
7. $x^2y^2 - z^2 = (xy + z)(xy - z)$
8. $a^2 - 12a + 36 = (a - 6)(a - 6)$
9. $49x^2 - y^4 = (7x + y^2)(7x - y^2)$
10. $1 + 10c + 25c^2 = (1 + 5c)(1 + 5c)$
11. $4d^2 - 20d + 25 = (2d - 5)(2d - 5)$
12. $121x^2 - 144y^2 = (11x + 12y)(11x - 12y)$
13. $169m^2 + 26m + 1 = (13m + 1)(13m + 1)$
14. $c^2 - 8c + 16 = (c - 4)(c - 4)$

15. $x^6 - y^4 = (x^3 + y^2)(x^3 - y^2)$
16. $49x^2 - 28x + 4 = (7x - 2)(7x - 2)$
17. $9x^2 + 6x + 1 = (3x + 1)(3x + 1)$
18. $16x^2 - 24xy + 9y^2 = (4x - 3y)(4x - 3y)$
19. $36x^2 - 60xy + 25y^2 = (6x - 5y)(6x - 5y)$
20. $64x^2y^2 - 9z^2 = (8xy + 3z)(8xy - 3z)$
21. $x^2 - 100y^2 = (x + 10y)(x - 10y)$
22. $16x^2 + 8x + 1 = (4x + 1)(4x + 1)$
23. $25x^2 - 80xy + 64y^2 = (5x - 8y)(5x - 8y)$
24. $4x^2 - 9y^2 = (2x + 3y)(2x - 3y)$
25. $1 - 4x^2y^2 = (1 + 2xy)(1 - 2xy)$
26. $4x^2 + 20xy + 25y^2 = (2x + 5y)(2x + 5y)$
27. $x^2 - 12x + 36 = (x - 6)(x - 6)$
28. $x^2 - 400y^2 = (x + 20y)(x - 20y)$