

Descompunerea expresiilor în factori

Descompuneți în factori expresiile:

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| 1. $24ab^3c - 60ac^4$ | 2. $81 - 4d^2$ | 3. $x^2 - 4x$ | 4. $9x^2 - 9$ |
| 5. $ax^2 - 7ax - 18a$ | 6. $x^2 + 2x - 15$ | 7. $4x^2 - 7x^3$ | 8. $2x^2 - 18$ |
| 9. $x^2 - 10x + 24$ | 10. $x^2 - 10x - 24$ | 11. $4 - 4x^2$ | 12. $4x^2 - 16y^2$ |
| 13. $a^4 - b^4$ | 14. $81x - x^3$ | 15. $x^2y^2 - 25y^4$ | 16. $x^4 - 21x^2 - 100$ |
| 17. $100x^2 - 4y^2$ | 18. $x^2 + 6xy - 16y^2$ | 19. $x^4 + 4x^2 - 5$ | 20. $18x^2 - 8y^2$ |
| 21. $y^4 - 13y^2 - 36$ | 22. $9x^2 - 81y^2$ | 23. $64y^2 - 16$ | 24. $4x^4 - 4y^4$ |
| 25. $81x^4y^4 - 9y^4$ | 26. $x^4 - 5x^2 + 4$ | 27. $x^3 - 49x$ | 28. $36 - 16x^2$ |
| 29. $9x^2 - 36$ | 30. $9x^4 - 9y^4$ | | |
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| 1. $x(y + 2) + 3(y + 2)$ | 2. $r(p^2 + 5) - s(p^2 + 5)$ | 3. $x^2(w - z) - 4(w - z)$ |
| 4. $h^2(m^2 + 3) - (3 + m^2)$ | 5. $3u(w - z) - (z - w)$ | 6. $a(r + s) - b(r + s) + c(r + s)$ |
| 7. $a(y - 1) - b(1 - y)$ | 8. $9(2c - d) + x^2(d - 2c)$ | 9. $ac + bc + ad + bd$ |
| 10. $5x - 5y + x^2 - xy$ | 11. $km + 7k + 2m + 14$ | 12. $3w^2 - 3wz + 18w - 18z$ |
| 13. $7c^3 - 28c^2 + 3c - 12$ | 14. $12w - 28x - 3wx^2 + 7x^3$ | 15. $4d^5 - d^3 + 8d^2 - 2$ |
| 16. $k^3n + k^2n^3 + k + n^2$ | 17. $a^3y - ay - a^2cy + cy$ | 18. $2k^3 - 10k^2 - 2m^2k + 10m^2$ |
| 19. $15ax^2 + 5bx^2 - 15a - 5b$ | 20. $3p^2r + 9p^2 - 27r - 81$ | |
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| 1. $5x^2 + 6x + 1$ | 2. $6x^2 - 20x + 14$ | 3. $2x^2 + 7x + 5$ | 4. $7x^3 - 9x^2 + 2x$ |
| 5. $15x^2 + 36x + 21$ | 6. $3x^2 + 8x - 11$ | 7. $2x^4 - 7x^2 - 4$ | 8. $11x^2 - 9x - 2$ |
| 9. $13x^2 + 8x - 5$ | 10. $6x^2 - 8x - 14$ | 11. $7x^2 + 36x + 5$ | 12. $2x^2 - 23x + 11$ |
| 13. $5x^2 + 16x + 3$ | 14. $9x^3 + 36x^2 + 21x$ | 15. $25x^2 + 60x + 20$ | 16. $4x^2 + 11x + 7$ |
| 17. $10x^3 - 2x^2 - 12x$ | 18. $6x^4 - 13x^3 + 2x^2$ | 19. $21x^2 - 4x - 1$ | 20. $10x^2 + 9x - 1$ |
| 21. $35x^2 - 45x - 5$ | 22. $15x^2 - 14x - 1$ | 23. $20x^2 + 48x + 16$ | 24. $13x^2 - 27x + 2$ |
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| 1. $a^3 + 8$ | 2. $x^3 - 27$ | 3. $x^3 - y^3$ | 4. $x^3 + 1$ |
| 5. $64 + x^3$ | 6. $a^3b^3 - c^3$ | 7. $1000 - x^3$ | 8. $27x^3 + 1$ |
| 9. $k^3 + m^3n^3$ | 10. $1 + 8x^3$ | 11. $125 - 8y^3$ | 12. $343x^3 + 64$ |
| 13. $a^3b^3 + 8c^3$ | 14. $1000 + 27x^3$ | 15. $m^3 + 512n^3$ | 16. $8k^3 - w^3$ |
| 17. $m^3 + 216n^3$ | 18. $64n^3 - 125r^3$ | 19. $y^3 - w^3x^3$ | 20. $a^6 - 8$ |
| 21. $15 + 15m^3$ | 22. $x^4 - 8x$ | 23. $2a^3 + 128$ | 24. $3y + 81y^4$ |
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| 1. $(x + 4)^2 - y^2$ | 2. $(x + y)^2 - a^2$ | 3. $(x - 2)^2 - 25p^2$ |
| 4. $(x^2 + 6x + 9) - 121y^2$ | 5. $4(m + n)^2 - 81$ | 6. $25(m + n)^2 - 144x^2$ |
| 7. $(x + y)^2 + 3(x + y) + 2$ | 8. $(a + b)^2 - 13(a + b) - 30$ | 9. $(m + 2n)^2 - 8(m + 2n) + 15$ |
| 10. $(9x + 2y)^2 + 8(9x + 2y) - 20$ | 11. $(x + 5)^2 - 2(x + 5) - 24$ | 12. $(x + 8)^2 - 14(x + 8) + 24$ |
| 13. $(3x - 1)^2 + 7(3x - 1) - 30$ | 14. $(4x - 3)^2 + 8(4x - 3) - 20$ | 15. $(5x + 3)^2 - 8(5x + 3) + 12$ |
| 16. $(2x - 7)^2 + 15(2x - 7) + 36$ | | |
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| 20. $4x^2 - 64$ | 21. $x^3 - 64$ | 22. $c(x - y) - d(y - x)$ |
| 23. $8x^3 - 18x^2 - 5x$ | 24. $x^4 + 5x^2 - 6$ | 25. $6x^2 - 13xy - 5y^2$ |
| 26. $125x^3 + y^3$ | 27. $8x^2 + 8x + 2$ | 28. $4x^2 - 4$ |
| 29. $2x^3 - 16$ | 30. $8x - 12 - 2xw + 3w$ | 31. $2x^2 - 10x - 28$ |
| 32. $(x + 6)^2 - y^2$ | 33. $(x + y)^2 - 16$ | 34. $(x + 3)^2 + 5(x + 3) + 4$ |
| 35. $(x - 1)^2 - 5(x - 1) - 14$ | 36. $(2x + 5)^2 - 9y^2$ | 37. $x^3 + x^2 - 4x - 4$ |
| 38. $3ax^2 - 27a + 3cx^2 - 27c$ | 39. $8x^3 + 8$ | 40. $x^4 - 16$ |
| 41. $2a^3 - 54b^6$ | 42. $81 - y^4$ | 43. $x^6 + 125$ |