

Vaardigheden Ontbinden in factoren Oefening 2 Antwoorden

1. $x^2 - x - 20 = (x-5)(x+4)$
2. $x^2 + 9x + 14 = (x+7)(x+2)$
3. $x^2 + 2x - 3 = (x-1)(x+3)$
4. $-x^2 - 6x + 16 = -1 \cdot (x+8)(x-2)$
5. $x^2 - 81 = (x-9)(x+9)$
6. $x^2 + 7x + 6 = (x+6)(x+1)$
7. $x^2 - x - 20 = (x-5)(x+4)$
8. $x^2 + 7x + 10 = (x+5)(x+2)$
9. $-x^2 - 2x + 48 = -1 \cdot (x+8)(x-6)$
10. $x^2 + 3x + 2 = (x+1)(x+2)$
11. $x^2 - 7x + 12 = (x-3)(x-4)$
12. $-x^2 - 2x + 48 = -1 \cdot (x+8)(x-6)$
13. $-x^2 + 4x + 45 =$
14. $x^2 - 2x - 24 = (x-6)(x+4)$
15. $x^2 - 9x + 20 = (x-5)(x-4)$
16. $-x^2 + 7x - 10 = (-x+5)(x-2)$
17. $x^2 + x - 20 = (x+5)(x-4)$
18. $x^2 + 5x - 14 = (x+7)(x-2)$
19. $x^2 - 4x + 3 = (x-3)(x-1)$
20. $-x^2 + 10x - 16 = (-x+8)(x-2)$
21. $x^2 - 18x + 81 = (x-9)(x-9)$
22. $x^2 - 5x - 6 = (x+1)(x-6)$
23. $x^2 + 9x + 20 = (x+5)(x+4)$
24. $-x^2 + 7x - 10 = (-x+5)(x-2)$
25. $x^2 + 12x + 35 = (x+7)(x+5)$
26. $x^2 - x - 2 = (x-2)(x+1)$
27. $x^2 - x - 12 = (x-4)(x+3)$
28. $x^2 - 2x - 48 = (x-8)(x+6)$
29. $-x^2 + 14x - 45 = -1 \cdot (x-5)(x-9)$
30. $x^2 + 2x - 24 = (x+6)(x-4)$
31. $-x^2 - x\sqrt{3} + 6 = -1 \cdot (x+2\sqrt{3})(x-\sqrt{3})$
32. $3 = 3 \cdot 1$
33. $2x^2\sqrt{2} + 5x + \sqrt{2} = (2x\sqrt{2} + 1)(x + \sqrt{2})$
34. $x^2 + x\sqrt{5} - 10 = (x + 2\sqrt{5})(x - \sqrt{5})$
35. $6x^2\sqrt{2} - 30x = 6x(x\sqrt{2} - 5)$
36. $9 - 4 = (3+2)(3-2) = 5 \cdot 1$
37. $x^2 + 6\sqrt{2} + 18 = (x + 3\sqrt{2})(x + 3\sqrt{2})$
38. $4x^2 - 12x + 9 = (2x-3)(2x-3)$
39. $-2x^2 - x\sqrt{7} + 7 = (-2x + \sqrt{7})(x + \sqrt{7})$
40. $15 = 3 \cdot 5$
41. $x^2 + 12x + 35 = (x+7)(x+5)$
42. $x^2 - 2x - 48 = (x-8)(x+6)$
43. $x^4 + 4x^2 + 4 =$
44. $12x^4 - 4x^2\sqrt{3} + 1 =$
45. $x^3 + 3x^2 + 3x + 1 = (x+1)^3$
46. $2x^2 - xy - 3y^2 = (2x-3y)(x+y)$
47. $3x^2 - 32xy + 20y^2 = (3x-2y)(x-10y)$
48. $2x^4 - 2 = 2 \cdot (x+1)(x-1)(x^2+1)$
49. $x^2 - 2x\sqrt{3} + 3 = (x-\sqrt{3})(x-\sqrt{3})$
50. $3x^4 - 2x^2\sqrt{15} + 5 = (x^2\sqrt{3} - \sqrt{5})^2$