

Vaardigheden Ontbinden in factoren Oefening 1 Antwoorden

A. Ontbinden in factoren:

1. $x^2 + 5x + 6 = (x+3)(x+2)$
2. $x^2 + 7x + 12 = (x+4)(x+3)$
3. $x^2 + 21x + 20 = (x+20)(x+1)$
4. $x^2 + 9x + 20 = (x+4)(x+5)$
5. $x^2 + 3x + 2 = (x+2)(x+1)$
6. $x^2 - 2x - 15 = (x-5)(x+3)$
7. $x^2 - 5x + 6 = (x-3)(x-2)$
8. $x^2 - 3x - 18 = (x-6)(x+3)$
9. $x^2 + 2x - 48 = (x+8)(x-6)$
10. $x^2 - 2x + 1 = (x-1)(x-1)$

B. Ontbind in factoren:

1. $x^2 - 2,5x - 1,5 = (x-3)(x+0,5)$
2. $x^2 - x + 0,25 = (x - 0,5)^2$
3. $x^2 + 3,5x + 3 = (x+1,5)(x+2)$
4. $x^2 + 1,5x - 2,5 = (x+2,5)(x-1)$
5. $x^2 + 3,5x - 2 = (x+4)(x-0,5)$
6. $x^2 - 1,5x + 0,5 = (x-1)(x-0,5)$
7. $x^2 + 1,5x - 1 = (x+2)(x-0,5)$
8. $x^2 + 2,5x + 1 = (x+2)(x+0,5)$
9. $x^2 + x - 0,75 = (x+1,5)(x-0,5)$
10. $x^2 + 2x + 0,75 = (x+1,5)(x+0,5)$

C. Ontbind in factoren:

1. $3x + 18 - x^2 = -(x-6)(x+3)$
2. $18 - 3x - x^2 = -1 \cdot (x+6)(x-3)$
3. $x^2 - 5x + 6 = (x-6)(x-1)$
4. $4x^2 - 20x + 24 = 4 \cdot (x-3)(x-2)$
5. $x^2 + 7x + 6 = (x+6)(x+1)$
6. $6x + x^2 + 8 = (x+4)(x+2)$
7. $x^2 + x - 12 = (x+4)(x-3)$
8. $x^2 + 10x + 21 = (x+7)(x+3)$
9. $x^2 - 14 - 5x = (x-7)(x+2)$
10. $x^2 + 4x - 12 = (x+6)(x-2)$