



GRAAD 9

FAKTORISERING- KWADRATIESE DRIETERM

WERKKAART 3 - MEMO

Faktoriseer volledig:

1. $x^2 + 4x + 3$
 $=(x + 1)(x + 3)$

2. $x^2 + 6x + 8$
 $=(x + 2)(x + 4)$

3. $x^2 - 7x + 10$
 $=(x - 2)(x - 5)$

4. $x^2 - 8x + 16$
 $=(x - 4)(x - 4)$

5. $x^2 + 1x - 6$
 $=(x - 2)(x + 3)$

6. $x^2 - 2x - 15$
 $=(x - 5)(x + 3)$

7. $x^2 - 1x - 30$
 $=(x - 6)(x + 5)$



8. $x^2 + 5x - 24$
 $=(x - 3)(x + 8)$

9. $x^2 + 5xy + 6y^2$
 $=(x + 2y)(x + 3y)$

10. $3x^2 - 24x + 36$
 $=3(x^2 - 8x + 12)$
 $=3(x - 6)(x - 2)$

11. $2x^2 + 46x - 100$
 $=2(x^2 + 23x - 50)$
 $=2(x + 25)(x - 2)$

12. $x^3 + 10x^2 + 21x$
 $=x(x^2 + 10x + 21)$
 $=x(x + 3)(x + 7)$