



Antwoordmodel.

Zelftest §10.1

Naam kandidaat: _____

Examen no. _____

Examen vak: _____

Datum: _____

opgave 1

a $(8x-4)^2 = (8x-4)(8x-4) = 64x^2 - 64x + 16$

b $(4y-2)^2 = (4y-2)(4y-2) = 16y^2 - 16y + 4$

c $(y+2x)^2 = (y+2x)(y+2x) = y^2 + 4xy + 4x^2$

d $(\frac{1}{2} + 2p)^2 = (\frac{1}{2} + 2p)(\frac{1}{2} + 2p) = \frac{1}{4} + 2p + 4p^2$

e $(5x-6)(6+5x) = 25x^2 - 36$

f $(2p+5)(2p-5) = 4p^2 - 25$

opgave 2

a $9x(2x-5) - (4x-6)(4x+6) = 18x^2 - 45x - (16x^2 - 36) = 2x^2 - 45x + 36$

b $(5y-1)(5y+1) - (5y)^2 = 25y^2 - 1 - 25y^2 = -1$

c $(9-x)^2 - 9(x+9)^2 = 81 - 18x + x^2 - 9(x^2 + 18x + 81) = 81 - 18x + x^2 - 9x^2 - 162x - 729 = -8x^2 - 180x - 648$

d $(a+2b)^2 - (a-2b)^2 = 36a^2 + 24ab + 4b^2 - (36a^2 - 24ab + 4b^2) = 48ab$