



Naam kandidaat: _____

Examen no. _____

Examenvak: _____

Zelf test §10.3

Datum: _____

Antwoordmodel

opgave 1

$$a \quad x^2 \cdot x^6 - 4x^4 \cdot \frac{1}{2}x^4 = x^8 - 2x^8 = -x^8$$

$$b \quad 2y^3 \cdot 8y^7 - 5y^9 \cdot 3y = 16y^{10} - 15y^{10} = y^{10}$$

$$c \quad (2z)^2 + 4z^2 = 4z^2 + 4z^2 = 8z^2$$

$$d \quad (2p^2)^3 - 4p^3 \cdot 3p^2 = 2^3 \cdot p^6 - 12p^5 \\ = 8p^6 - 12p^5$$

$$e \quad \frac{6a^6 + 14a^2 \cdot -\frac{1}{2}a^4}{-a^2 \cdot (a^2)^2} = \frac{6a^6 - 7a^6}{-a^2 \cdot a^4} \\ = \frac{-a^6}{-a^6} = 1$$

$$f \quad \frac{(5x)^2 - x^2}{-6x} = \frac{25x^2 - x^2}{-6x} = \frac{24x^2}{-6x} \\ = \frac{4 \cdot 6x^2}{-6x} \\ = -4 \cdot \frac{6x^2}{6x} \\ = -4x$$