ONTSYFER
WISKUNDE ONDERSTEUNING

Gr 8 Wiskunde / Mathematics

Algebraïese Uitdrukkings / Algebraic Expressions

1. Uitdrukkings Komponente / Expressions Components

a) $3x^4 - 5x^2 + 2x - 10$ Probeer eers vereenvoudig
                                Try to simplify first

1) Hoeveel terme? $3x^4 - 5x^2 + 2x - 10$
   How many terms?   ①   ②   ③   ④
   4

2) Wat is die veranderlike(s)? $3\underline{x}^4 - 5\underline{x}^2 + 2\underline{x} - 10$
   What is the variable(s)?

   x noem verskillende alfabetletters
              name the different alphabet letters

3. Wat is die konstante? $3x^4 - 5x^2 + 2x \;\boxed{-10}$
   What is the constant?

   -10 Getal alleen – Onthou teken!
               Number alone – Remember sign!

4. Koëffisient van : x^4? $3x^4$ 3
   Coefficient of : x^2? $-5x^2$ -5
                    x? $+2x$ $+2$

NB! Pasop vir die volgende :

$$-3x^2y^2 + \frac{2x^3}{3} - 2y^2 - \frac{x}{3}$$

Koëff van : ① y^2 $-3x^2y^2$ ② x^2 $-3x^2y^2$
Coeff of : $= -3x^2$ $= -3y^2$

③ x^3 $+\frac{2x^3}{3}$ ④ x $\frac{-x}{3}$

     $= \frac{2}{3}$ $= -\frac{1}{3}$