



Vereenvoudiging van exponentiële uitdrukkingen (2 variabelen)

Naam: _____

Datum: _____ Score: _____

$$9 \times y^4 x^{(-5)} (x^2)^{(-3)} x^{(-2)} (y^{(-2)})^{(-2)}$$

$$4 \times y^{(-1)} x^{(-6)} (x^3)^6 x^{(-2)} (y^{(-3)})^3$$

$$\frac{2x^9 \times y^6 (x^5 \times y^5)^3}{6 \times y^2 (x^4)^3}$$

$$\frac{x^{(-1)} \times y^{(-4)} (x^{(-1)} \times y^{(-1)})^{(-2)}}{4 \times y^2 (x^{(-2)})^{(-2)}}$$

$$6x^3 \times y^3 (x^5 \times y^{(-3)})^{(-1)}$$

$$8x^3 \times y^3 (x^3 \times y^{(-3)})^3$$

$$4 \times y^2 x^2 (x^{(-1)})^3 x^{(-1)} (y^4)^5$$

$$6 \times y^3 x^{(-5)} (x^{(-1)})^6 x^2 (y^{(-1)})^{(-1)}$$

$$9x^4 \times y^4 (x^3 \times y^4)^5$$

$$5 \times y^3 x^{(-6)} (x^{(-3)})^6 x^{(-1)} (y^{(-2)})^2$$



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$$9 \times y^4 x^{(-5)} (x^2)^{(-3)} x^{(-2)} (y^{(-2)})^{(-2)}$$
$$\frac{9y^8}{x^{13}}$$

$$4 \times y^{(-1)} x^{(-6)} (x^3)^6 x^{(-2)} (y^{(-3)})^3$$
$$\frac{4x^{10}}{y^{10}}$$

$$\frac{2x^9 \times y^6 (x^5 \times y^5)^3}{6 \times y^2 (x^4)^3}$$
$$\frac{1}{3} x^{12} y^{19}$$

$$\frac{x^{(-1)} \times y^{(-4)} (x^{(-1)} \times y^{(-1)})^{(-2)}}{4 \times y^2 (x^{(-2)})^{(-2)}}$$
$$\frac{1}{4x^3 y^4}$$

$$6x^3 \times y^3 (x^5 \times y^{(-3)})^{(-1)}$$
$$\frac{6y^6}{x^2}$$

$$8x^3 \times y^3 (x^3 \times y^{(-3)})^3$$
$$\frac{8x^{12}}{y^6}$$

$$4 \times y^2 x^2 (x^{(-1)})^3 x^{(-1)} (y^4)^5$$
$$\frac{4y^{22}}{x^2}$$

$$6 \times y^3 x^{(-5)} (x^{(-1)})^6 x^2 (y^{(-1)})^{(-1)}$$
$$\frac{6y^4}{x^9}$$

$$9x^4 \times y^4 (x^3 \times y^4)^5$$
$$9x^{19} y^{24}$$

$$5 \times y^3 x^{(-6)} (x^{(-3)})^6 x^{(-1)} (y^{(-2)})^2$$
$$\frac{5}{x^{25} y}$$