



Vereenvoudiging van exponentiële uitdrukkingen (2 variabelen)

Naam: _____

Datum: _____ Score: _____

$$4x^5 \times y^5(x^2 \times y^3)^5$$

$$9x^6 \times y^6(x^{(-3)} \times y^4)^3$$

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

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

$$7x^4 \times y^4(x^{(-1)} \times y^5)^2$$

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

$$\frac{7x^2 \times y^3(x^3 \times y^3)^4}{5 \times y^2(x^4)^{(-1)}}$$

$$6 \times y^2x^3(x^3)^5x^2(y^2)^3$$

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

$$\frac{8x^7 \times y^{(-5)}(x^5 \times y^5)^5}{9 \times y^2(x^{(-2)})^2}$$



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$$4x^5 \times y^5(x^2 \times y^3)^5$$
$$4x^{15}y^{20}$$

$$9x^6 \times y^6(x^{-3} \times y^4)^3$$
$$\frac{9y^{18}}{x^3}$$

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

$$\frac{8x^4 \times y^{(-5)}(x^{(-2)} \times y^{(-2)})^{(-2)}}{8 \times y^3(x^{(-2)})^2}$$
$$\frac{x^{12}}{y^4}$$

$$7x^4 \times y^4(x^{-1} \times y^5)^2$$
$$7x^2y^{14}$$

$$\frac{5x^{(-2)} \times y^{(-6)}(x^4 \times y^4)^5}{9 \times y^{(-2)}(x^2)^4}$$
$$\frac{5}{9}x^{10}y^{16}$$

$$\frac{7x^2 \times y^3(x^3 \times y^3)^4}{5 \times y^2(x^4)^{(-1)}}$$
$$\frac{7}{5}x^{18}y^{13}$$

$$6 \times y^2x^3(x^3)^5x^2(y^2)^3$$
$$6x^{20}y^8$$

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

$$\frac{8x^7 \times y^{(-5)}(x^5 \times y^5)^5}{9 \times y^2(x^{(-2)})^2}$$
$$\frac{8}{9}x^{36}y^{18}$$