



Vereenvoudiging van exponentiële uitdrukkingen (2 variabelen)

Naam: _____

Datum: _____ Score: _____

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

$$\frac{3x^{(-7)} \times y^2(x^5 \times y^5)^3}{6 \times y^{(-1)}(x^3)^2}$$

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

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

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

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

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

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

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

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



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$$\frac{9x^{(-1)} \times y^{(-1)}(x^2 \times y^4)^6}{9x^{11}y^{23}}$$

$$\frac{3x^{(-7)} \times y^2(x^5 \times y^5)^3}{6 \times y^{(-1)}(x^3)^2} = \frac{1}{2}x^2y^{18}$$

$$\frac{9x^9 \times y^{(-2)}(x^5 \times y^5)^4}{1 \times y^{(-3)}(x^{(-2)})^3} = 9x^{35}y^{21}$$

$$2 \times y^4x^{(-3)}(x^6)^6x^{(-2)}(y^{(-3)})^2 = \frac{2x^{31}}{y^2}$$

$$\frac{5x^{(-2)} \times y^{(-2)}(x^6 \times y^6)^{(-3)}}{x^{20}y^{20}} = \frac{5}{x^{20}y^{20}}$$

$$7 \times y^{(-1)}x^5(x^3)^2x^{(-2)}(y^{(-3)})^5 = \frac{7x^9}{y^{16}}$$

$$\frac{2x^{(-2)} \times y^{(-6)}(x^{(-1)} \times y^{(-1)})^5}{3 \times y^2(x^2)^2} = \frac{2}{3x^{11}y^{13}}$$

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

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

$$3 \times y^{(-4)}x^5(x^2)^2x^{(-1)}(y^{(-1)})^3 = \frac{3x^8}{y^7}$$