



Vereinfachung von Exponentenausdrücken

Name: _____

Datum: _____ Ergebnis: _____

$$7x^3(x^4)^{(-3)}$$

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

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

$$7x^{(-6)}(x^4)^6x^3$$

$$\frac{6x^8(x^{-2})^3}{3x^{(-2)}(x^4)^2}$$

$$3x^5(x^6)^{(-3)}$$

$$2x^{(-8)}(x^{(-2)})^5x^{(-2)}$$

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

$$\frac{4x^6(x^2)^6}{5x^3(x^{(-3)})^{(-2)}}$$

$$2x^4(x^3)^{(-2)}x^{(-2)}$$



Vereinfachung von Exponentenausdrücken

Name: _____

Datum: _____ Ergebnis: _____

$$\frac{7x^3(x^4)^{-3}}{x^9}$$

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

$$\frac{4x^{-2}(x^5)^4}{3x^{-2}(x^3)^{-2}} = \frac{4}{3}x^{26}$$

$$7x^{-6}(x^4)^6x^3 = 7x^{21}$$

$$\frac{6x^8(x^{-2})^3}{3x^{-2}(x^4)^2} = \frac{2}{x^4}$$

$$3x^5(x^6)^{-3} = \frac{3}{x^{13}}$$

$$2x^{-8}(x^{-2})^5x^{-2} = \frac{2}{x^{20}}$$

$$\frac{5x^8(x^{-2})^4}{8x^{-1}(x^3)^4} = \frac{5}{8x^{11}}$$

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

$$2x^4(x^3)^{-2}x^{-2} = \frac{2}{x^4}$$