



Simplification des expressions d'exposant ( 2 variables )

Nom: \_\_\_\_\_

Date: \_\_\_\_\_ Note: \_\_\_\_\_

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

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

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

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

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

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

$$7 \times y^5 x^5 (x^2)^3 x^3 (y^4)^4$$

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

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

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



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$$9 \times y^2 x^{(-2)} (x^{(-3)})^{(-1)} x^2 (y^3)^2$$
$$9x^3 y^8$$

$$\frac{8x^{(-2)} \times y^{(-5)} (x^3 \times y^3)^4}{7 \times y^{(-2)} (x^{(-1)})^3}$$
$$\frac{8}{7} x^{13} y^9$$

$$2 \times y^{(-2)} x^2 (x^5)^5 x^{(-3)} (y^{(-2)})^5$$
$$\frac{2x^{24}}{y^{12}}$$

$$\frac{6x^6 \times y^{(-2)} (x^4 \times y^4)^3}{2 \times y^{(-1)} (x^4)^4}$$
$$3x^2 y^{11}$$

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

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

$$7 \times y^5 x^5 (x^2)^3 x^3 (y^4)^4$$
$$7x^{14} y^{21}$$

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

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

$$\frac{6x^2 \times y^2 (x^3 \times y^3)^{(-3)}}{9 \times y^3 (x^{(-2)})^3}$$
$$\frac{2}{3xy^{10}}$$