



Simplification des expressions d'exposant (2 variables)

Nom: _____

Date: _____ Note: _____

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

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

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

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

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

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

$$\frac{7x^7 \times y^{(-4)}(x^4 \times y^4)^3}{6 \times y^{(-3)}(x^4)^3}$$

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

$$\frac{x^{(-6)} \times y^6(x^4 \times y^4)^5}{7 \times y^{(-1)}(x^2)^3}$$

$$9x^{(-1)} \times y^{(-1)}(x^{(-3)} \times y^{(-12)})^5$$



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$$5x^{(-4)} \times y^{(-4)}(x^6 \times y^4)^4$$
$$5x^{20}y^{12}$$

$$9x^{(-6)} \times y^{(-6)}(x^5 \times y^{(-2)})^{(-3)}$$
$$\frac{9}{x^{21}}$$

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

$$6 \times y^{(-4)}x^4(x^{(-3)})^{(-2)}x^{(-3)}(y^{(-2)})^{(-1)}$$
$$\frac{6x^7}{y^2}$$

$$5 \times y^3x^{(-3)}(x^6)^3x^{(-2)}(y^4)^{(-2)}$$
$$\frac{5x^{13}}{y^5}$$

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

$$\frac{7x^7 \times y^{(-4)}(x^4 \times y^4)^3}{6 \times y^{(-3)}(x^4)^3}$$
$$\frac{7}{6}x^7y^{11}$$

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

$$\frac{x^{(-6)} \times y^6(x^4 \times y^4)^5}{7 \times y^{(-1)}(x^2)^3}$$
$$\frac{1}{7}x^8y^{27}$$

$$9x^{(-1)} \times y^{(-1)}(x^{(-3)} \times y^{(-12)})^5$$
$$\frac{9}{x^{16}y^{61}}$$