



## 簡化指數表達式(2變數)

姓名: \_\_\_\_\_

日期: \_\_\_\_\_ 分數: \_\_\_\_\_

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

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

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

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

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

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

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

$$8x^6 \times y^6 (x^3 \times y^3)^6$$

$$\frac{9x^{(-7)} \times y^{(-1)} (x^6 \times y^6)^{(-3)}}{2 \times y^3 (x^2)^2}$$

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



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

$$7x^{(-4)} \times y^{(-4)} (x^{(-2)} \times y^6)^4$$
$$\frac{7y^{20}}{x^{12}}$$

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

$$7x^3 \times y^3 (x^{(-1)} \times y^6)^{(-2)}$$
$$\frac{7x^5}{y^9}$$

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

$$\frac{7x^{(-2)} \times y^{(-3)} (x^4 \times y^4)^{(-2)}}{6 \times y^2 (x^{(-2)})^{(-1)}}$$
$$\frac{7}{6x^{12}y^{13}}$$

$$\frac{7x^6 \times y^{(-6)} (x^5 \times y^5)^5}{1 \times y^2 (x^{(-2)})^{(-2)}}$$
$$7x^{27}y^{17}$$

$$8x^6 \times y^6 (x^3 \times y^3)^6$$
$$8x^{24}y^{24}$$

$$\frac{9x^{(-7)} \times y^{(-1)} (x^6 \times y^6)^{(-3)}}{2 \times y^3 (x^2)^2}$$
$$\frac{9}{2x^{29}y^{22}}$$

$$4x^{(-2)} \times y^{(-2)} (x^6 \times y^5)^4$$
$$4x^{22}y^{18}$$