



簡化指數表達式(2變數)

姓名: _____

日期: _____ 分數: _____

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

$$\frac{3x^6 \times y^2(x^5 \times y^5)^{(-3)}}{9 \times y^{(-1)}(x^4)^3}$$

$$\frac{2x^7 \times y^{(-6)}(x^3 \times y^3)^4}{9 \times y^2(x^{(-2)})^{(-1)}}$$

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

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

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

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

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

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

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



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$$\frac{4x^4 \times y^5(x^2 \times y^2)^3}{5 \times y^{(-2)}(x^{(-1)})^2}$$
$$\frac{4}{5}x^{12}y^{13}$$

$$\frac{3x^6 \times y^2(x^5 \times y^5)^{(-3)}}{9 \times y^{(-1)}(x^4)^3}$$
$$\frac{1}{3x^{21}y^{12}}$$

$$\frac{2x^7 \times y^{(-6)}(x^3 \times y^3)^4}{9 \times y^2(x^{(-2)})^{(-1)}}$$
$$\frac{2}{9}x^{17}y^4$$

$$6 \times y^4x^4(x^5)^4x^2(y^4)^{(-2)}$$
$$\frac{6x^{26}}{y^4}$$

$$3 \times y^4x^{(-3)}(x^2)^2x^{(-3)}(y^4)^3$$
$$\frac{3y^{16}}{x^2}$$

$$\frac{4x^{(-2)} \times y^{(-4)}(x^6 \times y^6)^{(-3)}}{3 \times y^{(-3)}(x^2)^2}$$
$$\frac{4}{3x^{24}y^{19}}$$

$$4 \times y^4x^4(x^{(-3)})^{(-3)}x^{(-3)}(y^3)^{(-2)}$$
$$\frac{4x^{10}}{y^2}$$

$$\frac{8x^{(-3)} \times y^4(x^3 \times y^3)^3}{5 \times y^{(-1)}(x^4)^2}$$
$$\frac{8y^{14}}{5x^2}$$

$$9 \times y^3x^{(-2)}(x^3)^2x^{(-1)}(y^4)^4$$
$$9x^3y^{19}$$

$$x^{(-3)} \times y^{(-3)}(x^5 \times y^3)^5$$
$$x^{22}y^{12}$$