



簡化指數表達式(2變數)

姓名: _____

日期: _____ 分數: _____

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

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

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

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

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

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

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

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

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

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



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

$$\frac{4x^4 \times y^4(x^6 \times y^6)^3}{9 \times y^2(x^4)^{(-1)}} \quad \frac{4}{9}x^{26}y^{20}$$

$$4x^{(-3)} \times y^{(-3)}(x^{(-2)} \times y^5)^{(-3)} \quad \frac{4x^3}{y^{18}}$$

$$9x^{(-2)} \times y^{(-2)}(x^{(-1)} \times y^5)^{(-3)} \quad \frac{9x}{y^{17}}$$

$$9 \times y^3x^3(x^6)^5x^{(-3)}(y^3)^5 \quad 9x^{30}y^{18}$$

$$9 \times y^4x^5(x^4)^{(-3)}x^3(y^{(-3)})^{(-2)} \quad \frac{9y^{10}}{x^4}$$

$$2 \times y^{(-1)}x^2(x^4)^{(-1)}x^{(-1)}(y^4)^5 \quad \frac{2y^{19}}{x^3}$$

$$7x^{(-3)} \times y^{(-3)}(x^6 \times y^5)^{(-1)} \quad \frac{7}{x^9y^8}$$

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

$$6x^{(-5)} \times y^{(-5)}(x^5 \times y^4)^3 \quad 6x^{10}y^7$$