



ลดความซับซ้อนของนิพจน์เลขชี้กำลัง (2 ตัวแปร)

ชื่อ: _____

วันที่: _____ คะแนน: _____

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

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

$$9x^6 \times y^6 (x^4 \times y^3)^6$$

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

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

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

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

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

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

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



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

$$5x^6 \times y^6(x^2 \times y^{(-2)})^2 = 5x^{10}y^2$$

$$9x^6 \times y^6(x^4 \times y^3)^6 = 9x^{30}y^{24}$$

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

$$7x^{(-4)} \times y^{(-4)}(x^2 \times y^3)^{(-2)} = \frac{7}{x^8y^{10}}$$

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

$$\frac{7x^{(-8)} \times y^3(x^6 \times y^6)^4}{1 \times y^{(-2)}(x^2)^3} = 7x^{10}y^{29}$$

$$\frac{2x^{(-4)} \times y^4(x^{(-1)} \times y^{(-1)})^2}{2 \times y^{(-3)}(x^4)^3} = \frac{y^5}{x^{18}}$$

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

$$5 \times y^{(-2)}x^{(-2)}(x^3)^5x^3(y^{(-1)})^5 = \frac{5x^{16}}{y^7}$$