



ชื่อ: _____

วันที่: _____ คะแนน: _____

$$4x^{(-4)} \times y^{(-4)}(x^{(-2)} \times y^{(-12)})^2$$

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

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

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

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

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

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

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

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

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



ลดความซับซ้อนของนิพจน์เลขชี้กำลัง (2 ตัวแปร)

ชื่อ: _____

วันที่: _____ คะแนน: _____

$$4x^{(-4)} \times y^{(-4)}(x^{(-2)} \times y^{(-12)})^2$$

$$\frac{4}{x^8 y^{28}}$$

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

$$\frac{4}{x^8 y^{14}}$$

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

$$\frac{1}{4}x^2 y^7$$

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

$$\frac{9y^{14}}{x^{10}}$$

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

$$\frac{7}{x^2}$$

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

$$4x^{21} y^{21}$$

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

$$\frac{8}{5}x^2 y^8$$

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

$$\frac{9}{x^6 y^6}$$

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

$$\frac{2y^{18}}{9x^6}$$

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

$$\frac{6x^{16}}{y^9}$$