



Eksponenttilausekkeiden yksinkertaistaminen (2  
muuttujaa)

Nimi: \_\_\_\_\_

Päivämäärä: \_\_\_\_\_ Pisteet: \_\_\_\_\_

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

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

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

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

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

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

$$\frac{6x^{(-9)} \times y^{(-3)}(x^2 \times y^2)^3}{8 \times y^{(-2)}(x^{(-2)})^2}$$

$$8x^5 \times y^5(x^2 \times y^5)^5$$

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

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



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Nimi: \_\_\_\_\_

Päivämäärä: \_\_\_\_\_ Pisteet: \_\_\_\_\_

$$4x^{(-4)} \times y^{(-4)}(x^{(-1)} \times y^6)^4$$
$$\frac{4y^{20}}{x^8}$$

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

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

$$2x^{(-1)} \times y^{(-1)}(x^6 \times y^4)^5$$
$$2x^{29}y^{19}$$

$$6 \times y^5x^{(-3)}(x^4)^2x^2(y^{(-1)})^{(-1)}$$
$$6x^7y^6$$

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

$$\frac{6x^{(-9)} \times y^{(-3)}(x^2 \times y^2)^3}{8 \times y^{(-2)}(x^{(-2)})^2}$$
$$\frac{3}{4}xy^5$$

$$8x^5 \times y^5(x^2 \times y^5)^5$$
$$8x^{15}y^{30}$$

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

$$9 \times y^{(-3)}x^4(x^2)^5x^3(y^{(-2)})^5$$
$$\frac{9x^{17}}{y^{13}}$$