



EkspONENTTILausekkeiden yksinkertaistaminen (2
muuttujaa)

Nimi: _____

Päivämäärä: _____ Pisteet: _____

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

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

$$\frac{8x^9 \times y^{(-3)}(x^{(-1)} \times y^{(-1)})^4}{5 \times y^{(-1)}(x^2)^{(-1)}}$$

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

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

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

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

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

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

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



Nimi: _____

Päivämäärä: _____ Pisteet: _____

$$2x^{(-6)} \times y^{(-6)}(x^{(-2)} \times y^{(-2)})^4$$
$$\frac{2}{x^{14}y^{14}}$$

$$2x^6 \times y^6(x^5 \times y^{(-2)})^3$$
$$2x^{21}$$

$$\frac{8x^9 \times y^{(-3)}(x^{(-1)} \times y^{(-1)})^4}{5 \times y^{(-1)}(x^2)^{(-1)}}$$
$$\frac{8x^7}{5y^6}$$

$$8x^{(-6)} \times y^{(-6)}(x^{(-2)} \times y^5)^{(-3)}$$
$$\frac{8}{y^{21}}$$

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

$$\frac{x^{(-3)} \times y^{(-3)}(x^5 \times y^5)^{(-3)}}{4 \times y^{(-1)}(x^2)^3}$$
$$\frac{1}{4x^{24}y^{17}}$$

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

$$\frac{9x^{(-4)} \times y^{(-2)}(x^5 \times y^5)^{(-3)}}{5 \times y^3(x^4)^3}$$
$$\frac{9}{5x^{31}y^{20}}$$

$$7 \times y^{(-1)}x^6(x^{(-3)})^2x^{(-1)}(y^4)^5$$
$$\frac{7y^{19}}{x}$$

$$\frac{3x^{(-6)} \times y^{(-2)}(x^{(-1)} \times y^{(-1)})^{(-3)}}{7 \times y^{(-2)}(x^2)^4}$$
$$\frac{3y^3}{7x^{11}}$$