



## Förenkling av exponentuttryck (2 variabler)

namn: \_\_\_\_\_

Datum: \_\_\_\_\_ Poäng: \_\_\_\_\_

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

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

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

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

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

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

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

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

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

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



namn: \_\_\_\_\_

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

$$2 \times y^4x^6(x^4)^{(-3)}x^{(-1)}(y^2)^5$$
$$\frac{2y^{14}}{x^7}$$

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

$$3 \times y^5x^{(-4)}(x^6)^{(-1)}x^{(-1)}(y^{(-2)})^{(-2)}$$
$$\frac{3y^9}{x^{11}}$$

$$5x^{(-2)} \times y^{(-2)}(x^4 \times y^5)^{(-2)}$$
$$\frac{5}{x^{10}y^{12}}$$

$$7 \times y^{(-1)}x^{(-5)}(x^2)^{(-2)}x^{(-1)}(y^{(-3)})^3$$
$$\frac{7}{x^{10}y^{10}}$$

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

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

$$\frac{4x^{(-7)} \times y^5(x^{(-2)} \times y^{(-2)})^5}{8 \times y^2(x^4)^3}$$
$$\frac{1}{2x^{29}y^7}$$

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