



## Förenkling av exponentuttryck (2 variabler)

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

Datum: \_\_\_\_\_ Poäng: \_\_\_\_\_

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

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

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

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

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

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

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

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

$$8x^2 \times y^2(x^2 \times y^5)^3$$

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



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

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

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

$$\frac{x^{(-3)} \times y^{(-2)}(x^{(-2)} \times y^{(-2)})^3}{4 \times y^3(x^2)^2}$$
$$\frac{1}{4x^{13}y^{11}}$$

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

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

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

$$\frac{7x^4 \times y^5(x^{(-2)} \times y^{(-2)})^5}{9 \times y^{(-2)}(x^4)^4}$$
$$\frac{7}{9x^{22}y^3}$$

$$x^6 \times y^6(x^4 \times y^6)^4$$
$$x^{22}y^{30}$$

$$8x^2 \times y^2(x^2 \times y^5)^3$$
$$8x^8y^{17}$$

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