



## Forenkling av eksponentuttrykk (2 variabler)

StudentName: \_\_\_\_\_

ExamDate: \_\_\_\_\_ ExamScore: \_\_\_\_\_

$$3x^4 \times y^4(x^4 \times y^{(-12)})^{(-3)}$$

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

$$5x^5 \times y^5(x^3 \times y^{(-12)})^{(-3)}$$

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

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

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

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

$$8x^6 \times y^6(x^{(-3)} \times y^{(-12)})^2$$

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

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



## Forenkling av eksponentuttrykk (2 variabler)

StudentName: \_\_\_\_\_

ExamDate: \_\_\_\_\_ ExamScore: \_\_\_\_\_

$$3x^4 \times y^4(x^4 \times y^{(-12)})^{(-3)}$$
$$\frac{3y^{40}}{x^8}$$

$$4x^{(-6)} \times y^{(-6)}(x^{(-1)} \times y^6)^{(-3)}$$
$$\frac{4}{x^3y^{24}}$$

$$5x^5 \times y^5(x^3 \times y^{(-12)})^{(-3)}$$
$$\frac{5y^{41}}{x^4}$$

$$\frac{5x^{(-7)} \times y^{(-3)}(x^4 \times y^4)^4}{4 \times y^3(x^4)^3}$$
$$\frac{5y^{10}}{4x^3}$$

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

$$1 \times y^2x^{(-2)}(x^{(-2)})^5x^{(-1)}(y^{(-2)})^2$$
$$\frac{1}{x^{13}y^2}$$

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

$$8x^6 \times y^6(x^{(-3)} \times y^{(-12)})^2$$
$$\frac{8}{y^{18}}$$

$$\frac{5x^{(-4)} \times y^4(x^3 \times y^3)^4}{4 \times y^3(x^{(-2)})^2}$$
$$\frac{5}{4}x^{12}y^{13}$$

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