



Forenkling av eksponentuttrykk (2 variabler)

StudentName: _____

ExamDate: _____ ExamScore: _____

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

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

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

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

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

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

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

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

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

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



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$$3 \times y^4 x^{(-2)} (x^4)^5 x^{(-1)} (y^2)^5$$
$$3x^{17}y^{14}$$

$$\frac{3x^{(-5)} \times y^{(-5)} (x^5 \times y^5)^3}{7 \times y^{(-2)} (x^2)^{(-1)}}$$
$$\frac{3}{7}x^{12}y^{12}$$

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

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

$$4x^{(-1)} \times y^{(-1)} (x^3 \times y^{(-3)})^3$$
$$\frac{4x^8}{y^{10}}$$

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

$$\frac{4x^{(-7)} \times y^{(-3)} (x^3 \times y^3)^{(-3)}}{5 \times y^2 (x^{(-1)})^3}$$
$$\frac{4}{5x^{13}y^{14}}$$

$$1 \times y^5 x^5 (x^3)^3 x^{(-1)} (y^{(-2)})^2$$
$$x^{13}y$$

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

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