



簡化指數表達式

姓名: _____

日期: _____ 分數: _____

$$x^3(x^{(-3)})^3$$

$$5x^7(x^2)^2$$

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

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

$$5x^2(x^2)^6$$

$$2x^{(-8)}(x^{(-2)})^5$$

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

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

$$9x^{(-7)}(x^{(-2)})^{(-1)}x^{(-2)}$$

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



簡化指數表達式

姓名: _____

日期: _____ 分數: _____

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

$$5x^7(x^2)^2$$
$$5x^{11}$$

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

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

$$5x^2(x^2)^6$$
$$5x^{14}$$

$$2x^{(-8)}(x^{(-2)})^5$$
$$\frac{2}{x^{18}}$$

$$\frac{6x^8(x^5)^4}{7x^2(x^{(-3)})^4}$$
$$\frac{6}{7}x^{38}$$

$$\frac{9x^{(-1)}(x^5)^{(-3)}}{9x^3(x^3)^{(-3)}}$$
$$\frac{1}{x^{10}}$$

$$9x^{(-7)}(x^{(-2)})^{(-1)}x^{(-2)}$$
$$\frac{9}{x^7}$$

$$\frac{2x^7(x^{(-3)})^4}{x^{(-1)}(x^{(-2)})^{(-3)}}$$
$$\frac{2}{x^{10}}$$