



Simplify each. If it's a negative power write your answer with a positive power.

$$p^0 \equiv$$

$$5^{-2} \equiv$$

$$3p^7 \times p \equiv$$

$$(p^6)^0 \equiv$$

$$4p^0 \times p^3 \equiv$$

$$\frac{6^3}{6^4} \equiv$$

$$12p^8 \div 2p^5 \equiv$$

$$p^6 \times p^{-6} \equiv$$

$$(100p^5q)^0 \equiv$$

$$p^{-2} \equiv$$

$$(p^3)^2 \equiv$$

$$6p \times 7p^6 \equiv$$

$$x^{-3} \equiv$$

$$\frac{3p^0}{p^2} \equiv$$

$$b^9 \div b^2 \equiv$$

$$u^{18} \times 3u^6 \equiv$$

$$(n^3)^{-2} \equiv$$

$$(d^0)^7 \equiv$$

$$a \times 3a^7 \equiv$$

$$l^6 \div l^5 \equiv$$

$$(e^{13})^2 \equiv$$

$$n \times n \equiv$$

$$\frac{g^2}{g^8} \equiv$$

$$\frac{e^{22}}{e^3} \equiv$$

$$r^2 \div r^{-3} \equiv$$

$$s^5 \times s^7 \equiv$$

$$(n^4)^8 \equiv$$

$$(j^8)^2 \equiv$$

$$z^0 \equiv$$

$$\frac{b^{50}}{b^{10}} \equiv$$

$$l^7 \div l^{-3} \equiv$$

$$u^2 \times 6u^3 \equiv$$

$$(d^{13})^0 \equiv$$

$$p^{14} \div p^7 \equiv$$

$$5p^6 \times 7p \equiv$$

$$(p^2)^3 \equiv$$

$$(x^4)^9 \equiv$$

$$5p^8 \times 7p^{11} \equiv$$

$$\frac{m^2}{m^4} \equiv$$

$$y^7 \div y \equiv$$

$$g^3 \times 9g^8 \equiv$$

$$(p^0)^2 \equiv$$

$$y^{21} \times y^2 \equiv$$

$$3^{-2} \equiv$$

$$a^6 \times 4a \equiv$$

$$20p^2 \div 4p^7 \equiv$$

$$(2p^5)^3 \equiv$$

$$\frac{k^2}{k^5} \equiv$$

$$6^{-2} \equiv$$

$$2^{-5} \equiv$$

$$(3p^3)^3 \equiv$$

$$p^2 \div p^8 \equiv$$

$$i^7 \times 8i^3 \equiv$$

$$(n^0)^4 \equiv$$

$$(n^4)^5 \equiv$$

$$i^8 \times i^{12} \equiv$$

$$\frac{4t^{12}}{2t^8} \equiv$$

$$10^{-2} \equiv$$

$$4h \times h^2 \equiv$$

$$(6p^3)^2 \equiv$$

$$\frac{k^2}{k^6} \equiv$$

$$12x^{10} \div 3x^4 \equiv$$

$$12^{-2} \equiv$$

$$(c^5)^7 \equiv$$

$$\frac{14h^9}{7h^5} \equiv$$

$$25e^7 \div e^5 \equiv$$

$$5f^2 \times 3f^7 \equiv$$

$$(j^5)^9 \equiv$$

$$y^2x \times yx^5 \equiv$$

$$(k^3)^4 \equiv$$

$$\frac{p^9q^4}{qp^2} \equiv$$

$$25p^9 \div 5p^0 \equiv$$

$$r^{11}p^2 \times rp^2 \equiv$$

$$\frac{16p^2}{2p^8} \equiv$$

$$w^9 \div w^2 \equiv$$

$$3a^7 \times a^6 \equiv$$

$$(g^3)^{-12} \equiv$$

$$w^{18} \times 5w^2 \equiv$$

$$a^{23} \times a^{19} \equiv$$

$$n^2 \times n^{12} \equiv$$

$$(20)^{-2} \equiv$$

$$4b^7 \div 6b^7 \equiv$$

$$2a^{14} \times a^{12} \equiv$$

$$(8d^9)^2 \equiv$$

$$(m^{14})^{-2} \equiv$$

$$a^{-3} \times a^7 \equiv$$

$$(n^9)^0 \equiv$$

$$(k^{18})^2 \equiv$$

$$5 \times 2p^{18} \equiv$$

$$10p^7 \div 5p^5 \equiv$$

$$4f^2 \times 8f^3 \equiv$$

$$a^{11} \div a^{12} \equiv$$

$$m^4 \times 8m \equiv$$

$$\frac{t^{12} \times t^3}{t^5} \equiv$$

$$10p^3 \div 2p^7 \equiv$$

$$\frac{yp^2 \times y^8p^6}{p^4} \equiv$$

$$\frac{(t^6)^4}{(t^0)^2} \equiv$$

$$\frac{(b^5)^2 \times b^4}{b^5} \equiv$$

$$\frac{(r^5)^2}{(r^3)^4} \equiv$$

$$\frac{5a^6 \times a^4}{(a^5)^2} \equiv$$

$$\frac{7(p^6)^{12}}{(p^{20})^2} \equiv$$

Find the value of n for each question below

$$t^6 \times t^n \equiv t^{12}$$

$$(t^n)^4 \equiv t^{16}$$

$$x^n \equiv \frac{1}{x^6}$$

$$p^4 \div p^n \equiv p^6$$

$$t^n \equiv 1$$