

MATEMÁTICAS

POTENCIAS

Resuelve las siguientes operaciones de potencias

a) $\frac{(a^2)(a^4)(a)}{(a^7)(a^4)} = \underline{\hspace{2cm}}$

b) $\frac{(x)(x^6)(x^{13})}{(x^2)(x^7)} = \underline{\hspace{2cm}}$

c) $(x^8y^2z^6)^5 = \underline{\hspace{2cm}}$

d) $(m^4n^8p^5)^9 = \underline{\hspace{2cm}}$

e) $\left(\frac{m^3n^7p^4}{q^6r^2s^6}\right)^3 \div \left(\frac{q^5r^6s^3}{m^6np^5}\right)^2 = \underline{\hspace{2cm}}$

f) $\frac{(e^2)(e)(e^{12})}{(e^{13})(e^6)} = \underline{\hspace{2cm}}$

g) $\frac{(y^5)(y^3)}{(y^{14})(y^7)} = \underline{\hspace{2cm}}$

h) $(x^5y^7z^3)^4 = \underline{\hspace{2cm}}$

i) $(n^2p^4)^4 = \underline{\hspace{2cm}}$

j) $\left(\frac{a^{10}b^2}{q^2r^5}\right)^4 \times \left(\frac{q^3r^4}{a^5b}\right)^3 = \underline{\hspace{2cm}}$