

Nombre: _____

Grado y secc: _____



LEYES DE LOS EXPONENTES

Resuelve las siguientes potencias respetando las leyes de los exponentes.



Multiplicación

$$a^{21} \cdot a^{12} =$$

$$v^{34} * \underline{\hspace{1cm}} = v^{84}$$

$$(1^5)(1^9)(1^{12})(1^0)(1^8) =$$

$$m^8 * m^{22} =$$

$$\underline{\hspace{1cm}} * f^{90} = f^{180}$$

$$p^4(p^{10})(p^{15}) =$$

Potencia de otra potencia(s)

$$\left(\left(\left(3^4\right)^{10}\right)^5\right) =$$

$$\left(\left(\left(l^2\right)^3\right)^3\right) = l^{54}$$

$$\left(\left(\left(u^6\right)^9\right)^3\right) = u$$

$$\left(\left(\left(y^5\right)^{12}\right)^7\right)^6 =$$

$$\left(\left(\left(\tilde{n}\right)^7\right)^5\right) = \tilde{n}^{280}$$

$$\left(\left(\left(r^{10}\right)^7\right)^2\right) = r$$

División

$$\frac{e^{12}}{e^6} =$$

$$\frac{-45d^8}{-9d^{-4}} =$$

$$\frac{w^9}{w^{-8}} =$$

$$\frac{g^{18}}{g^5} =$$

$$\frac{22h^{-4}}{11h^8} =$$

$$\frac{k^{-6}}{k^{-7}} =$$

