



TRABAJO PRACTICO N°4(EVALUATIVO):

NUMEROS RACIONALES – POTENCIACIÓN Y PROPIEDADES

1. Resuelve y coloca el resultado

$$\begin{array}{llllll} \text{a)} \left(\frac{4}{5}\right)^2 = \underline{\hspace{1cm}} & \text{b)} \left(-\frac{6}{7}\right)^2 = \underline{\hspace{1cm}} & \text{c)} \left(-\frac{1}{8}\right)^3 = \underline{\hspace{1cm}} & \text{d)} \left(\frac{9}{10}\right)^{-2} = \underline{\hspace{1cm}} & \text{e)} \left(-\frac{2}{3}\right)^{-3} = \underline{\hspace{1cm}} \\ \text{f)} \left(\frac{1}{3}\right)^3 = \underline{\hspace{1cm}} & \text{g)} \left(-\frac{2}{3}\right)^0 = \underline{\hspace{1cm}} & \text{h)} \left(\frac{3}{4}\right)^{-1} = \underline{\hspace{1cm}} & \text{i)} (-6)^{-4} = \underline{\hspace{1cm}} & \text{j)} \left(-\frac{4}{3}\right)^4 = \underline{\hspace{1cm}} \end{array}$$

En el caso de obtener resultado **NEGATIVO**, coloca al **NUMERADOR EL SIGNO NEGATIVO**.

2) Unir con flecha cada potencia con su respuesta

$$\text{a)} \left(\frac{1}{3}\right)^{-3} = \quad \quad \quad -\frac{1}{256}$$

$$\text{b)} (-4)^{-4} = \quad \quad \quad -27$$

$$\text{c)} \left(-\frac{1}{3}\right)^{-3} = \quad \quad \quad -\frac{1}{27}$$

$$\text{d)} -\left(\frac{1}{4}\right)^4 = \quad \quad \quad 27$$

$$\text{e)} (-3)^{-3} = \quad \quad \quad \frac{1}{256}$$

3. Aplica propiedades, completando los casilleros e indica qué propiedad utilizaste.

$$\text{a)} \left(\frac{2}{3}\right)^2 \cdot \left(\frac{2}{3}\right)^3 = \left(\frac{\hspace{1cm}}{\hspace{1cm}}\right) = \underline{\hspace{1cm}}$$

$$\text{b)} \left(\frac{4}{5}\right)^{10} : \left(\frac{4}{5}\right)^7 = \left(\frac{\hspace{1cm}}{\hspace{1cm}}\right) = \underline{\hspace{1cm}}$$

$$\text{c)} \left[\left(\frac{1}{2}\right)^2\right]^3 = \left(\frac{\hspace{1cm}}{\hspace{1cm}}\right) = \underline{\hspace{1cm}}$$

$$\text{d)} \left(\frac{4}{3}\right)^{-5} = \left(\frac{\hspace{1cm}}{\hspace{1cm}}\right) = \underline{\hspace{1cm}}$$

$$\text{e)} \left(\frac{2}{5}\right)^4 \cdot \left(\frac{2}{5}\right)^7 : \left(\frac{2}{5}\right)^6 = \left(\frac{\hspace{1cm}}{\hspace{1cm}}\right) = \underline{\hspace{1cm}}$$

$$\text{f)} \left(-\frac{1}{5} \cdot \frac{3}{2}\right)^2 = \left(\frac{\hspace{1cm}}{\hspace{1cm}}\right) \cdot \left(\frac{\hspace{1cm}}{\hspace{1cm}}\right) = \underline{\hspace{1cm}}$$

$$\text{g)} \left(\frac{1}{5}\right)^3 : \left(\frac{1}{2}\right)^3 = \left(\frac{\hspace{1cm}}{\hspace{1cm}} : \frac{\hspace{1cm}}{\hspace{1cm}}\right) = \underline{\hspace{1cm}}$$