

Reglas de Exponentes (I)

Simplifique cada expresión.

1. $\frac{(-8)^5}{(-8)^{-1}}$

2. $\frac{(-3)^5}{(-3)^0}$

3. $\frac{8^{-2}}{8^{-7}}$

4. $\frac{(-8)^{-7}}{(-8)^{-9}}$

5. $\frac{4^3}{4^{-6}}$

6. $\frac{4^8}{4^8}$

7. $\frac{(-4)^{-8}}{(-4)^{-9}}$

8. $\frac{3^2}{3^1}$

9. $\frac{(-4)^4}{(-4)^0}$

10. $\frac{6^{-4}}{6^{-4}}$

Reglas de Exponentes (I) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. \quad & \frac{(-8)^5}{(-8)^{-1}} \\ & = (-8)^6 \end{aligned}$$

$$\begin{aligned} 2. \quad & \frac{(-3)^5}{(-3)^0} \\ & = (-3)^5 \end{aligned}$$

$$\begin{aligned} 3. \quad & \frac{8^{-2}}{8^{-7}} \\ & = 8^5 \end{aligned}$$

$$\begin{aligned} 4. \quad & \frac{(-8)^{-7}}{(-8)^{-9}} \\ & = (-8)^2 \end{aligned}$$

$$\begin{aligned} 5. \quad & \frac{4^3}{4^{-6}} \\ & = 4^9 \end{aligned}$$

$$\begin{aligned} 6. \quad & \frac{4^8}{4^8} \\ & = 4^0 = 1 \end{aligned}$$

$$\begin{aligned} 7. \quad & \frac{(-4)^{-8}}{(-4)^{-9}} \\ & = (-4) \end{aligned}$$

$$\begin{aligned} 8. \quad & \frac{3^2}{3^1} \\ & = 3 \end{aligned}$$

$$\begin{aligned} 9. \quad & \frac{(-4)^4}{(-4)^0} \\ & = (-4)^4 \end{aligned}$$

$$\begin{aligned} 10. \quad & \frac{6^{-4}}{6^{-4}} \\ & = 6^0 = 1 \end{aligned}$$