

Reglas de Exponentes (A)

Simplifique cada expresión.

1. $\frac{(-9)^6}{(-9)^6}$

2. $\frac{7^1}{7^{-1}}$

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

4. $\frac{2^9}{2^{-6}}$

5. $\frac{(-3)^5}{(-3)^{-9}}$

6. $\frac{2^5}{2^2}$

7. $\frac{2^{-6}}{2^{-9}}$

8. $\frac{(-9)^8}{(-9)^6}$

9. $\frac{(-3)^9}{(-3)^8}$

10. $\frac{2^4}{2^{-6}}$

Reglas de Exponentes (A) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. \quad & \frac{(-9)^6}{(-9)^6} \\ & = (-9)^0 = 1 \end{aligned}$$

$$\begin{aligned} 2. \quad & \frac{7^1}{7^{-1}} \\ & = 7^2 \end{aligned}$$

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

$$\begin{aligned} 4. \quad & \frac{2^9}{2^{-6}} \\ & = 2^{15} \end{aligned}$$

$$\begin{aligned} 5. \quad & \frac{(-3)^5}{(-3)^{-9}} \\ & = (-3)^{14} \end{aligned}$$

$$\begin{aligned} 6. \quad & \frac{2^5}{2^2} \\ & = 2^3 \end{aligned}$$

$$\begin{aligned} 7. \quad & \frac{2^{-6}}{2^{-9}} \\ & = 2^3 \end{aligned}$$

$$\begin{aligned} 8. \quad & \frac{(-9)^8}{(-9)^6} \\ & = (-9)^2 \end{aligned}$$

$$\begin{aligned} 9. \quad & \frac{(-3)^9}{(-3)^8} \\ & = (-3) \end{aligned}$$

$$\begin{aligned} 10. \quad & \frac{2^4}{2^{-6}} \\ & = 2^{10} \end{aligned}$$