

# Reglas de Exponentes (C)

Simplifique cada expresión.

1.  $\frac{(-9)^6}{(-9)^{-7}}$

2.  $\frac{8^{-4}}{8^{-8}}$

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

4.  $\frac{5^0}{5^{-8}}$

5.  $\frac{(-7)^{-6}}{(-7)^{-9}}$

6.  $\frac{4^6}{4^{-7}}$

7.  $\frac{5^8}{5^2}$

8.  $\frac{8^5}{8^0}$

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

10.  $\frac{2^8}{2^{-2}}$

# Reglas de Exponentes (C) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. \quad & \frac{(-9)^6}{(-9)^{-7}} \\ & = (-9)^{13} \end{aligned}$$

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

$$\begin{aligned} 3. \quad & \frac{(-4)^{-8}}{(-4)^{-8}} \\ & = (-4)^0 = 1 \end{aligned}$$

$$\begin{aligned} 4. \quad & \frac{5^0}{5^{-8}} \\ & = 5^8 \end{aligned}$$

$$\begin{aligned} 5. \quad & \frac{(-7)^{-6}}{(-7)^{-9}} \\ & = (-7)^3 \end{aligned}$$

$$\begin{aligned} 6. \quad & \frac{4^6}{4^{-7}} \\ & = 4^{13} \end{aligned}$$

$$\begin{aligned} 7. \quad & \frac{5^8}{5^2} \\ & = 5^6 \end{aligned}$$

$$\begin{aligned} 8. \quad & \frac{8^5}{8^0} \\ & = 8^5 \end{aligned}$$

$$\begin{aligned} 9. \quad & \frac{(-2)^{-3}}{(-2)^{-3}} \\ & = (-2)^0 = 1 \end{aligned}$$

$$\begin{aligned} 10. \quad & \frac{2^8}{2^{-2}} \\ & = 2^{10} \end{aligned}$$