

**Nombre:** \_\_\_\_\_.

**Diferente base y el mismo exponente:**

| PROPIEDADES:                                               | Ejemplos:                                                                                 |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| $a^b \cdot c^b = (a \cdot c)^b$<br>$a^b : c^b = (a : c)^b$ | $2^7 \cdot 5^7 = (2 \cdot 5)^7 = 10^7 = 10000000$<br>$14^4 : 7^4 = (14 : 7)^4 = 2^4 = 16$ |

**Calcula sin usar la calculadora:**

a)  $18^3 : 9^3 = ( \quad : \quad ) = \quad =$

b)  $2^3 \cdot 5^3 = ( \quad \cdot \quad ) = \quad =$

c)  $28^2 : 7^2 = ( \quad : \quad ) = \quad =$

d)  $18^3 : 18^3 = ( \quad : \quad ) = \quad =$

e)  $4^2 \cdot 25^2 = ( \quad \cdot \quad ) = \quad =$

f)  $5^5 \cdot 2^5 = ( \quad \cdot \quad ) = \quad =$

g)  $58^5 : 29^5 = ( \quad : \quad ) = \quad =$

h)  $20^3 \cdot 5^3 = ( \quad \cdot \quad ) = \quad =$

i)  $(2^3 \cdot 5^3)^2 = (( \quad \cdot \quad ))^2 = ( \quad )^2 = \quad =$

j)  $(24^2 : 12^2)^2 = (( \quad : \quad ))^2 = ( \quad )^2 = \quad =$