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Multiplicación de Potencia

Actividad # 6

a)

$$3 \cdot 3 \cdot 3 = 3^3 = 3 \times 3 \times 3 \times 3 \times 3 \times 3 = \underline{2,187}$$

b)

$$7^3 \cdot 7^2 = 7^5 = 7 \times 7 \times 7 \times 7 \times 7 = \underline{16,807}$$

c)

$$(4^2) (4) (4^2) = 4^5 = 4 \times 4 \times 4 \times 4 \times 4 = \underline{1,024}$$

d)

$$-10^5 \times -10^1 = -10^6 = +10 \times 10 \times 10 \times 10 \times 10 \times 10 = \underline{1,000,000}$$

e)

$$4 \cdot 4 \cdot 4 = 4^3 = 4 \times 4 \times 4 = \underline{64}$$

f)

$$6^3 \cdot 6^2 = 6^5 = 6 \times 6 \times 6 \times 6 \times 6 = \underline{7,776}$$

g)

$$240^\circ = 0$$

$$(-6^2) (-6^2) = 6^4 = 6 \times 6 \times 6 \times 6 = \underline{1,296}$$

i) $812^0 \cdot 812^0 = \underline{0}$

j) $-3^3 \cdot -3^2 \cdot -3^3 = 3^8 = \underline{-6561}$

Division de potencia

a) $7^3 : 7^3 = \frac{7 \times 7 \times 7}{7 \times 7 \times 7} = \frac{343}{343} = \underline{1}$

b) $6^7 : 6^2 = 6^5 = 6 \times 6 \times 6 \times 6 \times 6 = \underline{7776}$

c) $3^{10} : 3^2 = 3^8 = 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3 = \underline{6561}$

d) $8^8 : 8^1 = 8^7 = 8 \times 8 \times 8 \times 8 \times 8 \times 8 \times 8 = \underline{2,097,152}$

e) $4^6 : 4^2 = 4^4 = 4 \times 4 \times 4 \times 4 = \underline{256}$

f) $8^3 : 8^2 = 8 = \underline{8}$

g) $340 = \underline{0}$

$$h) 8^{12} : 8^{10} = 8^2 = 8 \times 8 = \underline{64}$$

$$i) 67^0 : 67^0 = \underline{0}$$

$$j) 5^3 : 5^2 = 5 = \underline{5}$$