## POTENCIA PRAXIS

4

$$\frac{3.3.3.3.3}{3.3.3} = \frac{3^5}{3^3} = 3^5 = 3^2$$

$$\frac{2.2.2.2.2}{2.2.2} = \frac{2^6}{2^3} - 2^{6-3} = 2^3$$

$$2.2.2 = 2^3$$

$$\frac{4^{2} \cdot 4^{3} \cdot 4^{4}}{4^{-2} \cdot 4^{3} \cdot 4^{-2}} = \frac{4^{(2344)}}{4^{(2132)}} = \frac{4^{3} \cdot 4^{3}}{4^{-1}} = 4^{4}$$

CANON = LEI

$$X^a. X = X^{a+b}$$

$$\frac{\chi^{a}}{\chi^{5}} = \chi^{a-b}$$

PRAXIS

92.2 × 2.2 =

3) 3,3 x 3.3 =

0/3 33 x 3=

D) 4x 4.4.4=

E) 5.55 x5=

97.7x7.7=

5/3.3.3 -

4) 6.6.6 =

I) <u>9.9.9.9</u> =

V) 4.4.4.4 =

K) 3,3,3,3 =

4 21

M) 43

M 33

N) 55

$$\frac{1}{32} = \frac{1}{3^2} \cdot \frac{3^2}{3^{-2}} = \frac{3^{-2}}{3^0} = 3^{-2}$$

$$\frac{2}{3^{9}} = \frac{2}{3^{9}} \cdot \frac{3^{-9}}{3^{-9}} = \frac{2 \cdot 3^{-9}}{3^{\circ}} = \frac{2 \cdot 3^{-9}}{2 \cdot 3^{-9}} = \frac{2 \cdot 3^{-9}}$$

# EXERCICIO

$$\frac{3^{5} \times 3^{2} \times 3^{9}}{3^{3} \times 3^{6}} = \frac{3''}{3^{9}} = 3^{1/3} = 3^{2} = 9$$

$$\frac{8}{3^{6}\times 3^{7}\times 3^{2}} =$$

$$\frac{c}{5^{2} \times 5^{2} \times 5^{2} \times 5^{9}}$$

$$\frac{5^{2} \times 5^{2} \times 5^{9}}{5^{2} \times 5^{2} \times 5^{9}}$$

$$2) \frac{2^{-3} \times 2^{-3} \times 2^{-2}}{2^{-2} \times 2^{-1} \times 2^{-6}} =$$

$$\frac{2^{6} \times 2^{7} \times 2^{-4} \times 2^{3}}{2^{7} \times 2^{2} \times 2^{2}} =$$

$$\begin{bmatrix} \frac{4}{3} \end{bmatrix}^{-2} = \begin{bmatrix} \frac{4}{3} \end{bmatrix}^{2} = \begin{bmatrix} \frac{4}{3$$

$$A)\begin{bmatrix} \frac{3}{2} \end{bmatrix}^{-1} \qquad B)\begin{bmatrix} \frac{7}{3} \end{bmatrix}^{-3} \qquad C)\begin{bmatrix} \frac{2}{5} \end{bmatrix}^{2}$$

The court page Court

The court

The court page Court

The court p

DECIMAL POTENTIA  $10^3 - 1000$  $10^2 = 100$  $10^{1} = 10$  $10^{\circ} = 1$ 10'=0,1  $10^{-2} = 0,01$  $10^{-3} = 0,001$ 

$$3 \times 10^{-2} = \frac{3}{10^2} = \frac{3}{100} = 0,03$$

$$0,005 = 0,001 \times 5 = 1.5 = 1.5 = 5.10^{-3}$$

$$\frac{5 \times 10^{3} \cdot 3 \times 10^{24}}{2 \times 10^{2}} = \frac{15 \times 10^{21}}{2 \times 10^{2}} = \frac{15}{2} \times 10^{21-2} = \frac{15}{2} \times 10^{19}$$

PRAXIS

$$(3) 4 \times 10^{-2}$$
  $(4) 9 \times 10^{-2}$ 

## 0

# EXEMPLOS

$$0, l = 1 \times 10^{-1} = \frac{1}{10^{1}}$$

$$0, 0 = 1 \times 10^{2} = \frac{1}{10^{2}}$$

$$0,001 = 1 \times 10^{3} = \frac{1}{10^{3}}$$

$$0,2 \times 0,03 =$$

$$2 \times 10^{7} \times 3 \times 10^{2} =$$

$$6 \times 10^{3} = 6 \times 10^{3}$$

## EXERCICIO

1) 0,2

2) 0,04

3) 0,005

4) 0,5 x 0,2

5) 0,02 x 0,01

6) 0,009 x 0,03

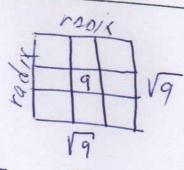
EXEMPLO

$$\frac{0.03 \times 0.002 \times 0.1}{0.004 \times 0.2 \times 0.001} = \frac{3 \times 10^{2} \times 2 \times 10^{3} \times 1 \times 10^{7}}{4 \times 10^{3} \times 2 \times 10^{7} \times 1 \times 10^{3}} = \frac{6 \times 10^{6}}{8 \times 10^{7}} = \frac{6}{8} \times 10^{7}$$

$$\frac{50 \times 0,02 \times 0,003}{0,007 \times 0,02 \times 0,1} = \frac{0,007 \times 0,02 \times 0,1}{0,0007 \times 0,1}$$

$$\frac{0,0005 \times 0,0007 \times 0,1}{0,01 \times 0,05 \times 0,2}$$

## ACTENTIA CANON



Va. Va = a

$$Va$$
  $va = a^{\frac{1}{2}}$   
 $a^{\frac{1}{2}} \cdot a^{\frac{1}{2}} = a^{\frac{1}{2}}$   
 $a^{\frac{1}{2} + \frac{1}{2}} = a^{\frac{1}{2}}$ 

$$\left[ \begin{array}{c} N \\ X \end{array} \right] = \left[ \begin{array}{c} 1 \\ N \end{array} \right]$$

QUADRATUM

QUADRATUM GUADRATUM.

### POTENTIA CANON

EX.

0 VI6 x VI6

9 V9 XV5

B V6 X V3

1 V20 x V2

6 181 × 128 6 14 × 125 6 13 × 14

$$|\sqrt{\frac{4}{9}} - \sqrt{\frac{1}{9}} - \frac{1}{\sqrt{\frac{1}{9}}}| = \frac{1}{3} | \sqrt{\frac{16}{9}} | \sqrt{\frac{16}{81}} | \sqrt{\frac{9}{5}} | \sqrt{\frac{9}{5$$

### POTENTA CANON

$$\frac{\alpha}{16} = \frac{\alpha \cdot \sqrt{6}}{\sqrt{6}} = \frac{\alpha \cdot \sqrt{6}}{6}$$

$$\stackrel{\text{EX}}{=} 0 \frac{1}{\sqrt{9}} = \frac{1}{\sqrt{9}} = \frac{1}{\sqrt{9}} = \frac{3}{9} = \frac{1}{3}$$

$$0 \stackrel{\text{EX}}{=} 0 \frac{8}{9^{\frac{1}{2}}} = 0 \frac{8}{9^{\frac{1}{2}}} = 0 \frac{7}{4^{\frac{1}{2}}} = 0$$

DIODAANTO CANON

$$(+)\cdot(+)=(+)$$

$$(+).(-)=(-)$$

$$(-)\cdot (+)=(-)$$

$$(-) \cdot (-) = (+)$$