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Exercício de sala

01- $R = \frac{(a^9 \cdot b^6)^3}{(a^4 \cdot b^6)^2} = a^{9-4} = a^5$

02- $R = (-\frac{1}{2})^1 : (-\frac{1}{2})^6 + (\frac{1}{2})^7$

$(-\frac{1}{2})^7 + (\frac{1}{2})^7 = -\frac{1}{128} + \frac{1}{128} = 0$ (E)

3- $R = 2abc$

$2 \cdot 2^3 \cdot (2^3) : 2^8 = 2^4 \cdot 2^6 \cdot 2^8 = 2^{18}$

$R: C = 2^{18}$

04- $R = \frac{10^{-2} \cdot 10^{-3} \cdot 10^{-4}}{10^{-1} \cdot 10^{-6}} = \frac{10^{-9}}{10^{-7}} = 10^{9-7} = \frac{1}{10^2} =$

$\frac{1}{100} = 0,01 = (C)$

05- $R = \frac{2^{n+3} + 2^{n+1} + 2^{n+2}}{2^{n+2}} = \frac{7}{?}, \forall n \in \mathbb{N}$

$\frac{2^n \cdot 2^3 + 2^n \cdot 2 + 2^n \cdot 2^2}{2^n \cdot 2^3} = \frac{2^n (1+2+2^2)}{2^n \cdot 2^2} = \frac{1+2+4}{8} = \frac{7}{8}$

C.q.p