

1) Transforme os números abaixo no sistema de numeração indo-arábico. Atenção, apresente todos os cálculos!

a) CCXIII \_\_\_\_\_\_\_\_\_\_\_\_\_\_ e) MMMCDVII \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) XXIX \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ f) DCCCLXXXVIII \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) CMLVI \_\_\_\_\_\_\_\_\_\_\_\_\_ g) LXX \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) XLIV \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ h) CXC \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2) Agora, transforme os números indo-arábicos em números romanos.

a) 1952 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ e) 2.406 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) 44 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ f) 93 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) 689 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ g) 7.000 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) 19 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ h) 78 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3) Calcule as potenciações.

 ex.: 2³ = 2.2.2 = 8

a) 5² = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ e) $10^{4}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) 4³ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ f) $2^{6}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) $7^{1}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ g) $10^{6}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) $6^{0}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ h) $3^{3}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4) Encontre a raiz das radiciações.

 ex.: $\sqrt[2]{36}$ = 6 , pois 6² = 6.6 = 36

a) $\sqrt[2]{49}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ e) $\sqrt[6]{64}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) $\sqrt[2]{36}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ f) $\sqrt[4]{625}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) $\sqrt[2]{81}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ g) $\sqrt[3]{27}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) $\sqrt[3]{1000}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ h) $\sqrt[3]{8}$ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5) Calcule as expressões numéricas.

a) [ 100 : (4 . 8 – 27) ] : (6 . 7 – 38) = b) 7 . 2³ - 2² . 5 = c) $\sqrt{25}$ . ($\sqrt{196}$ - 2³) =

6) Efetue as operações abaixo.

    

7) Identifique os sólidos geométricos.



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8) Dê o nome dos polígonos.



**I -\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**II - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**III - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**IV - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**