1) Na operação = 32, pede-se:

a) Qual é o nome dessa operação? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) A leitura da potência indicada. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) O nome que se dá ao número 32. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) O nome que se dá ao número 5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

e) Qual é a função do número 5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2) Escreva como se lê as potenciações abaixo.

a) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

e) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3) Nota-se a potência que tem a base 10, colocamos o número 1 seguido de tantos zeros quanto determinar o expoente. Represente as potências de base 10.

Exemplo: = 100 , pois 10 x 10 = 100.

a) = \_\_\_\_\_\_\_\_\_\_\_\_\_ c) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) = \_\_\_\_\_\_\_\_\_\_\_\_\_ d) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4) Calcule as potências.

a) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ e) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ f) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ g) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ h) = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5) Compare as potenciações com os símbolos >, < ou =.

a) \_\_\_\_\_ b) \_\_\_\_\_\_ d) \_\_\_\_\_\_

b) \_\_\_\_\_ c) \_\_\_\_\_\_ e) \_\_\_\_\_\_

6) Observe a igualdade = 9 e determine:

a) Nesse caso, quem é o radicando? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) Quem é a raiz? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) Que número representa o índice? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) Como chamamos essa operação? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7) Calcule as raízes quadradas.

a) = \_\_\_\_\_\_\_\_\_ d) = \_\_\_\_\_\_\_\_

b) = \_\_\_\_\_\_\_\_\_ e) = \_\_\_\_\_\_\_\_

c) = \_\_\_\_\_\_\_\_\_ f) = \_\_\_\_\_\_\_\_

8) Resolva os radicais abaixo.

a) = \_\_\_\_\_\_\_\_\_\_\_ c) = \_\_\_\_\_\_\_\_\_\_\_ e) = \_\_\_\_\_\_\_\_\_

b) = \_\_\_\_\_\_\_\_\_\_\_\_ d) = \_\_\_\_\_\_\_\_\_ f) = \_\_\_\_\_\_\_\_

9) Calcule as expressões a seguir.

a) ( - ) : 19 + = b) { [ (7 – 3)² - 6 ]² + 25} : 5 =

10) Represente no nosso sistema de numeração.

a) XXVIII - \_\_\_\_\_\_\_\_\_\_\_ d) LIV - \_\_\_\_\_\_\_\_\_\_\_ g) MMXXIV - \_\_\_\_\_\_\_\_\_\_\_\_\_

b) XIX - \_\_\_\_\_\_\_\_\_\_\_\_ e) CCCLXXI - \_\_\_\_\_\_\_\_\_\_ h) MCD - \_\_\_\_\_\_\_\_\_\_\_\_\_

c) XLVI - \_\_\_\_\_\_\_\_\_\_\_ f) DLV - \_\_\_\_\_\_\_\_\_\_\_\_ i) V - \_\_\_\_\_\_\_\_\_\_\_

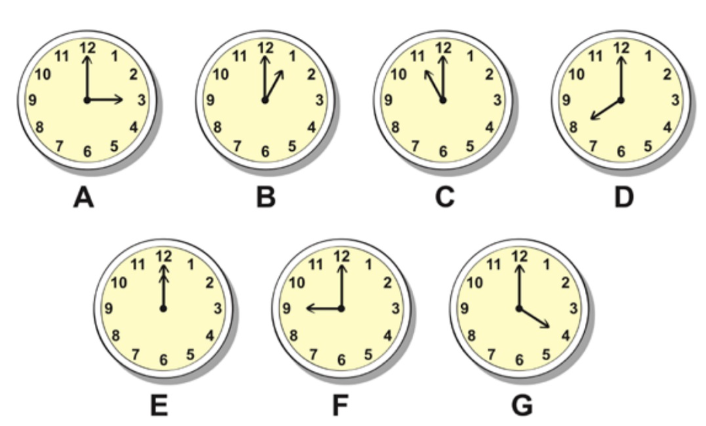
11) Escreva os números abaixo em numerais romanos.

a) 683 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ d) 400 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ g) 59 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) 1.706 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ e) 900 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ h) 711 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) 21 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ f) 171 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ i) 190 - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

12) Classifique os ângulos formados pelos ponteiros dos relógios e informe as horas.



A - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

B - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

C - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

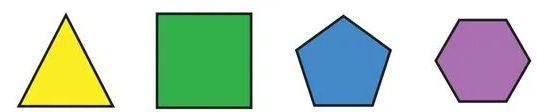
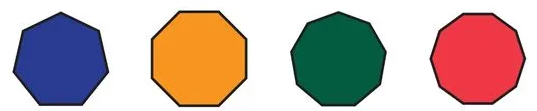
D - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

E - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

F - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

G - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

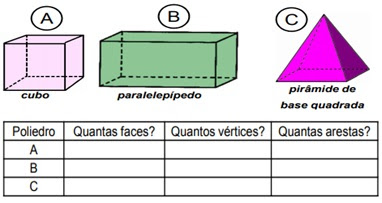
13) Dê o nome dos polígonos.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

14) Observe os poliedros e complete a tabela conforme o que se pede:



15 ) Usando o tranferidor, meça os ângulos abaixo.

