

1.

 [(3)3 + (3)2] ½

 [27 + 9] ½

[36] ½

$\sqrt{36}$

 6



2.

 [27] 1/3 + $\sqrt{(10)^{2}-(8)^{2}}$

 $\sqrt[3]{27}$ + $\sqrt{100-64}$

 3 + $\sqrt{36}$

 3 + 36 = 9



3.

 $5^{2^{1}}$ + $2014^{1}$ + $(2)^{3}$

 $5^{2}$ + 2014 + 8

 25 + 2014 + 8

 2047



Efectúa:

4.

 $a^{120-110}$ . $b^{80-70}$

 $a^{10}$ . $b^{10}$



5.

 A = $1^{2^{81}}$ B = $2^{3^{1}}$ C = $3^{1^{16}}$ D = $4^{3^{2}}$ A = $4^{1^{9}}$

 A = $1^{…}$ B = $2^{3}$ C = $3^{1}$ D = $4^{9}$ A = $4^{9}$

 A = 1 B = 8 C = 3 D = 262,144 A = 4

 Forma de decrecion:

 D = 262,144B ; B = 8 ; A = 4 ; C = 3 ; A = 1



Efectúa:

6.

 $\frac{2^{10+12+14}}{2^{9+7+20}}$ = $\frac{2^{36}}{2^{36}}$ = $2^{36-36}$ = $2^{0}$ = 1



Efectúa:

7.

 $\frac{3^{5+7+9+11+13}}{3^{18+10+15}}$ = $\frac{3^{45}}{3^{43}}$ = $3^{45-43}$ = $3^{2}$ = 9



8.



 $(6)^{0}$ + $(5)^{1}$ + $(4)^{2}$ + $(3)^{3}$

 1 + 5 + 16 + 27

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