WORKSHEET - 2/3

SOLVE THE FOLLOWING

1) The value of $(1000)^{1/3}$

2) Multiplicative inverse of 10^{-100}

2) Find the value of $(-2)^{2 \times 3 - 1}$

3) The value of $(7^{-1} - 8^{-1})^{-1} - (3^{-1} - 4^{-1})^{-1}$

4) Find the value $\left(-\frac{2}{3}\right)^4$

5) The value of $(2^3)^2$

6) Find the value of m, $(5^m \div 5^{-3}) = 5^5$

7) Simplify $(2x^2)^2$

8) Find the value of m, $16 \times 8^{m-2} = 2^m$

9) Simplify $(1^3 + 2^3 + 3^3 + 4^3)^{3/2}$

10) Find the value of $(16)^{0.16} \times (16)^{0.04} \times (2)^{0.20}$

11) Evaluate $\frac{27^{-1}}{3^{-4}} \times 5^3$

12) Find the value of x $4^{2x+5} = 64$

13) Evaluate $\frac{4^{-3/2}}{8^{1/3}} \times \frac{2^3}{16^{1/2}}$

14) Simplify $\frac{2^{\frac{1}{3}}}{8^{\frac{1}{2}}} \times \frac{12^{\frac{1}{2}}}{10^{\frac{1}{3}}} \times \frac{27^{\frac{1}{2}}}{18^{\frac{1}{2}}} \times \frac{5^{\frac{1}{2}}}{81^{\frac{1}{4}}} +$

15) If $\frac{9^n}{3} \times \frac{27^3}{81^4} \times 3^5 = 27$ *then n equal to*

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