

## Lista de exercícios da Aula 1

Resolver as expressões numéricas:

1)  $2+3+5+12$

2)  $2+3+5-12$

3)  $2-3+5-12$

4)  $2\times 3+5\times 4$

5)  $2\times 4-4\times 5$

6)  $2+(5-4)\times 8-(3\times 2-5)\times 2$

7)  $4\times [30\div (2\times 3-4)+3\times 5]-100$

8)  $25+14-[5\times 4+10-(20\div 2+10)]-4\times 3+2\times 5$

9)  $21+12+3\times [100\div (2\times 9-4\times 2)+14\div 2]\div 13-7\times 3$

10)  $36+2\times 25+[18-(5-2)\times 3]-[(5^2-6\times 2^2)\times 3+(13-7)^2\div 3]\div 5$

11)  $2^3\times 2^5\times 2^7$

12)  $2^3\times 2^{-5}\times 2^{-4}$

13)  $2^3\times 2^5\div 2^8\times 2^{-3}$

14)  $\frac{2^3\times 2^5}{2^4\times 2^2}\times \frac{2^3\times 2^6\div 2^4}{2^{-5}\times 2^{-4}}$

15)  $(-1)^0+2^0+(\frac{1}{2})^0+(\frac{-2}{5})^0$

16)  $(-1)^3+(\frac{-1}{2})^{-3}+(\frac{1}{2})^{-4}+(-2)^3$

17)  $(2^3\times 2^5\times 2^{-7})^4\div (2^{-3}\times 2^{-4}\times 2^8)\times 2^0$

18)  $[(2^3\times 2^5\times 2^{-7})^4\div (2^{-3}\times 2^{-4}\times 2^8)\times 2^0]^0$

19)  $(\frac{-9}{4})^{-3}\times (\frac{-4}{9})^6\times (\frac{3}{2})^2$

20)  $(\frac{a^2b}{c^2})^3\times (\frac{c}{a}\times \frac{c}{b})^{-3}\times (\frac{ab^2}{c^{-3}})^4$