MATHEMATICS (1stCSE – 1.EVALUATION) **Luis de la Pisa**

1.UNIT. BIZKAIA. NATURAL NUMBERS

NAME: _____ **GROUP:**_____

DATE: _____ **SCHOOL-YEAR: 2024-2025**

1. EXERCIE [1pt] Calculate the value of the next powers and square roots

a) $10^2 =$

b) $5^3 =$

c) $2^7 =$

d) $6^2 =$

e) $\sqrt{9} =$

f) $\sqrt{49} =$

g) $\sqrt{81} =$

h) $\sqrt{121} =$

i) $\sqrt{225} =$

2. EXERCISE [2.4pt] Express the following expressions in a unique power

a) $7^4 \cdot 7^8 =$

b) $5^8 : 5^6 =$

c) $13^7 \cdot 13^4 : 13^5 =$

d) $12^6 : 3^6 =$

e) $15^{10} \cdot 3^{10} =$

f) $(7^3)^{11} =$

3. EXERCISE [3.2pt] Express the following expressions in a unique power

a) $(14^6 : 14^4)^5 : 2^{10} =$

b) $(6^3 \cdot 2^3)^5 : (4^2 \cdot 3^2)^6 =$

c) $(10^6 : 2^6)^3 : (5^2)^9 =$

d) $(4^3)^8 : (2^4)^6 =$

4. EXERCISE [3.6pt] Calculate the value of the next expressions

a) $(20 - 3 \cdot 5) + 14 : (12 - 5) - (23 - 20) \cdot 2 =$

b) $3 \cdot (6 \cdot 4 - 3) + 6 - 4 \cdot (5 + 2 \cdot 3 + 1) + (2 \cdot 9 - 5) \cdot 3 =$

c) $8 \cdot 4 : (11 - 3) + [41 - 2 \cdot (17 - 7 \cdot 2)] =$

d) $6 \cdot (14 - 5) + [3 \cdot 8 + (4 + 2 \cdot 3) : 2] =$

LIVEWORKSHEETS