

MAISONNEUVE Chron

FE 03 b

Exercice 1:

$$1. \quad A = \frac{\frac{64}{4^5}}{\frac{2^{-5}}{(2^{-2})^4}} = \frac{64}{4^5} \times \frac{(2^{-2})^4}{2^{-5}} = \frac{2^6 \times 2^{-8}}{2^{10} \times 2^{-5}} = \frac{2^{-2}}{2^5} = \underline{\underline{2^{-7}}}$$

For identification: $\boxed{n = -7}$

$$2. \quad \frac{\sqrt[5]{6^3}}{12^4} = \frac{((2 \times 3)^3)^{\frac{1}{5}}}{(2^2 \times 3)^4} = \frac{2^{\frac{3}{5}} \times 3^{\frac{3}{5}}}{2^8 \times 3^4} = \underline{\underline{2^{-\frac{13}{5}} \times 3^{-\frac{5}{5}}}}$$

For identification: $n = -\frac{13}{5}$ et $\boxed{p = -\frac{5}{5}}$