

Devoir de Mathématiques**1°/ Simplifier sans calculer :**

$$2 \times 2 \times 2 \times 2 \times 2 =$$

$$5^7 \times 5^3 =$$

$$\frac{9^{84} \times 9^{56} \times 9^{-10}}{9^{12} \times 9^{25} \times 9^{-40}} =$$

$$\frac{3^{19}}{3^7} =$$

$$(6^4)^{-3} =$$

**2°/ Calculer le plus simplement possible :**

$$7^5 =$$

$$(-3)^7 =$$

$$6^4 =$$

$$(-5)^{-2} =$$

$$(4^3)^2 =$$

$$\frac{18^{10}}{2^8 \times 9^9} =$$

$$\frac{5^{13} \times 3^{12} \times 2^{15}}{3^7 \times 2^{10} \times 5^8} =$$

$$\frac{2^{12} \times 2^{-10} \times 3^5 \times 3^{-3}}{6^2} =$$