

PELO

Puissances: p. 10 formule

$$(4^3)^4 = 4^{3 \cdot 4} = 4^{12} = (2^2)^{12} = 2^{2 \cdot 12} = 2^{24}$$

$$(2^n)^m = 2^{n \cdot m}$$

$$\frac{3^4 \cdot 3^5}{3^2} = \frac{3^{4+5}}{3^2} = \frac{3^9}{3^2} = 3^{9-2} = 3^7$$

$$2^n \cdot 2^m = 2^{n+m}$$

$$\frac{2^n}{2^m} = 2^{n-m}$$

1.1 à 1.7

$$a^m \cdot a^n = a^{m+n}$$

$$\frac{1}{a^n} = a^{-n}$$

$$(a^m)^n = a^{m \cdot n}$$

$$(a \cdot b)^n = a^n \cdot b^n$$

$$\frac{a^m}{a^n} = a^{m-n}$$

$$\left(\frac{a}{b}\right)^n = \frac{a^n}{b^n}$$

---