Quiz 9

Exercice 1 vrai ou faux

(1) $\dfrac{a^2 b^4 c}{a^3 b c^4} = a b^3 c^{-3}$

(2) $\dfrac{a^2 b^4 c}{a^3 b c^4} = a^{-1} b^3 c^{-3}$

(3) $(a^2)^3 (b^{-1})^2 (c^4)^{-2} = a^6 b^{-3} c^2$

(4) $(a^2)^3 (b^{-1})^2 (c^4)^{-2} = a^5 b^{-2} c^{-8}$

(5) $x^4 - 1 = (x^2 - 1)(x^2 - 1)$

(6) $x^4 - 1 = (x^2 - 1)(x - 1)(x + 1)$

(7) $\left(-\frac{1}{3}\right)^3 = \frac{1}{27}$

(8) si $1 < x$ alors $1 < x^3$

(9) si $x < -2$ alors $-8 < x^3$

(10) $x^3 = -1 \iff x = -1$

(11) $3^n - 3^{n+1} + 3^{n+2} = 7 \times 3^n$

(12) $27 < \pi^3$

(13) $(-2)^2 < (-1)^2$

(14) $x < -2 \Rightarrow x^3 > 8$