

CORRECTION

EXERCICE n°14 :

On a $g(x) = 50 - 6x^2 + 4x^3$ alors :

$$C_T(x) = 50x - 6 \times \frac{x^{2+1}}{2+1} + 4 \times \frac{x^{3+1}}{3+1} + c = 50x - 2x^3 + x^4 + c.$$

$$\text{Or } C_T(0) = 2000 \text{ donc : } c = 2000.$$

Conclusion :

$$C_T(x) = 50x - 2x^3 + x^4 + 2000.$$