

Interrogation de calcul 07

Question 1. Calculer le $DL_4(0)$ de $x \mapsto \sin(x) \ln(1+x)$.

This image shows a full page of white paper with horizontal dashed lines, typical of primary school writing paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Question 2. Calculer le $\text{DL}_6(0)$ de $x \mapsto \text{sh}(x^2)(1 - \cos(x))$.

[illegible]

Question 3.

- Calculer la dérivée de $f : x \mapsto \ln(\cos(x))$.

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- En déduire le $DL_4(0)$ de f .

Question 4. Calculer le $DL_6(0)$ de $\sin(x)^4$.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

This image shows a full page of white paper with horizontal dotted lines. The lines are evenly spaced and run across the width of the page, providing a guide for handwriting or typing. There are no margins, text, or other markings on the page.