

Sayo Academy X Maths

出題、批改、解題，一站式解決

III 首創 AI 數學習智能題庫 — 1500+ 精選題目

- 涵蓋 HKDSE 範圍，包括代數、幾何、統計等必考範疇
- 題型多樣：選擇題、長題目、步驟題，甚至實用情境應用題
- 智能分類與搜尋：按課題、難度、題型快速找到需要的題目

Problem Drill Session

Showing Question 1 of 10 • Topic: Variations • Difficulty: 2

Question 1

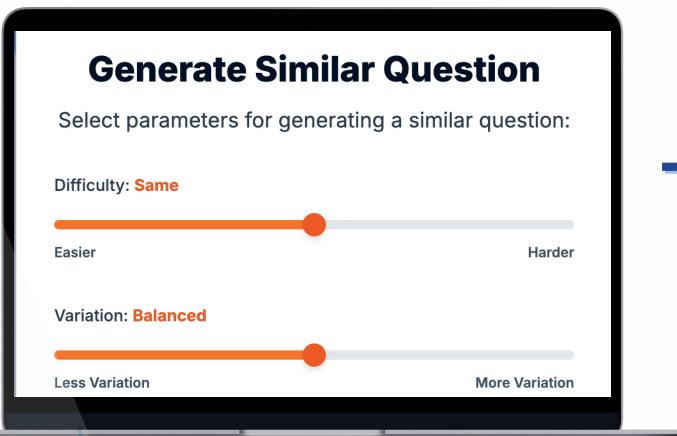
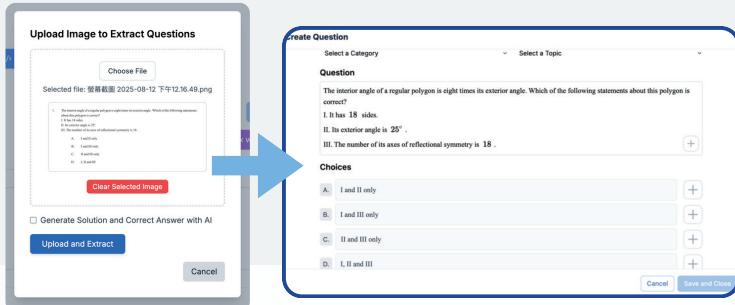
It is given that z varies directly with the square root of x and inversely with the cube of y . If x is increased by 125% and y is decreased by 0.1%, find the percentage change of z and correct your answer to 3 significant figures.

- A. Increased by 106%
- B. Increased by 12.1%
- C. Increased by 50.5%
- D. Increased by 53.4%

雙語支援：中、英文版本隨時切換

持續更新：不斷加入新題，緊貼考試趨勢

 **拍照/手動輸入上傳任何題目，立刻變成電子題庫資源**



AI 出題生成器

一條題目，延伸十條變化題！

想要更多練習？

上傳一條題目，AI 即時生成多條難度不同、角度不同的類似題目

讓學生反覆操練同一概念，確保真正掌握
自動控制難度遞進，從基礎到挑戰級別

聯絡培進營銷部



5 分鐘準備好一份功課或小測，備課效率提升數倍



AI 改卷系統 — 批改快、準、狠

傳統數學批改要看每一行計算步驟，極費時。AI 改卷讓這一切自動化：

- 支援手寫與拍照上傳 (OCR 辨識)，AI 根據評分準則批改
- 逐步錯誤分析：**不只是對錯，清楚指出每一步的錯誤與原因

智能數據分析 — 教學策略的即時導航



View Results

Total Marks Obtained:
3/4

(a):
Mark Allocation: 1
(Accuracy mark for correct factorization (1A).)
Feedback:
Your factorization of the trinomial is correct, demonstrating a strong understanding of algebraic identities.

(b):
Mark Allocation: 2
(Method mark for substituting the result from part (a) (1M). Method mark for applying the difference of squares formula (1M). No accuracy mark awarded due to a sign error.)
Feedback:
You correctly utilized the result from part (a) and applied the difference of squares formula. However, there was a sign error when expanding the second factor $-(4x - 7y)$, leading to an incorrect final answer. Be careful when distributing negative signs.

- 即時掌握班級和個人學習狀況
- 按主題、題型、技能細分表現數據幫你鎖定真正的薄弱環節
- 自動生成報告**，方便向家長和學校匯報進度



AI 解題導師 — 學生的 24/7 數學私人教練

AI 做到的不是給答案，而是陪學生一起「拆題、思考、突破」：

A very good thought. Many people feel that way when they first hear about it.
With these, we often think about numbers that can be placed on a number line, like 1, 2, -3. These are real numbers.
You think you could place i on that same number line? Why or why not?

I don't know

it isn't a real number

it's thinking very carefully about the meaning of "imaginary."
See, when we square any real number, whether it's positive or negative, the result is always non-negative, or zero. For example, $3 \times 3 = 9$ and $-3 \times -3 = 9$.
We know that $i \times i = -1$.
Does this tell you about whether i can be a real number?

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- 逐步拆解解法**
每一步都有清楚的提示與原因
- 即時反饋與提示**
- 隨時隨地使用**
課堂、家中、假期都可練習

學生自主學習能力提升，
課堂時間可用來處理更高階的解題技巧

與全港逾100所中小學攜手 開創個人化學習新時代！